



The *bidi Package*

Source documentation for version 39.9

to my Master, *Ferdowsi The Great*

If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please use the issue tracker:

<https://github.com/xepersian/bidi/issues>

In doing so, please always explain your issue well enough, and always include a minimal working example showing the issue.

You may also have conversations, ask questions and post answers without opening issues using the Discussions space:

<https://github.com/xepersian/bidi/discussions>

The announcements for the new releases of the package will also appear in the Discussions space under the Announcements category.

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The *bid*i Package

Bidirectional typesetting in plain T_EX and L^AT_EX, using XeT_EX engine

Source documentation for [version 39.9](#)

Vafa Khalighi*

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Contents

1	File <code>amsart-xetex-bidi.def</code>	5	18	File <code>beamerbasecompatibility-xetex-bidi.def</code>	43
2	File <code>adjmulticol-xetex-bidi.def</code>	7	19	File <code>beamerbaseframecomponents-xetex-bidi.def</code>	43
3	File <code>algorithm2e-xetex-bidi.def</code>	8	20	File <code>beamerbaseframesize-xetex-bidi.def</code>	50
4	File <code>amsbook-xetex-bidi.def</code>	8	21	File <code>beamerbaselocalstructure-xetex-bidi.def</code>	53
5	File <code>amsmath-xetex-bidi.def</code>	11	22	File <code>beamerbasemisc-xetex-bidi.def</code>	54
6	File <code>amstext-xetex-bidi.def</code>	11	23	File <code>beamerbasenavigation-xetex-bidi.def</code>	55
7	File <code>amsthm-xetex-bidi.def</code>	11	24	File <code>beamerbaseoverlay-xetex-bidi.def</code>	57
8	File <code>array-xetex-bidi.def</code>	11	25	File <code>beamerinnerthemedefault-xetex-bidi.def</code>	57
9	File <code>article-xetex-bidi.def</code>	13	26	File <code>beamerinnerthemecircles-xetex-bidi.def</code>	61
10	File <code>artikel1-xetex-bidi.def</code>	17	27	File <code>beamerinnerthemefocus-xetex-bidi.def</code>	61
11	File <code>artikel2-xetex-bidi.def</code>	21	28	File <code>beamerinnerthemeinmargin-xetex-bidi.def</code>	62
12	File <code>artikel3-xetex-bidi.def</code>	26	29	File <code>beamerinnerthememetropolis-xetex-bidi.def</code>	64
13	File <code>arydshln-xetex-bidi.def</code>	31	30	File <code>beamerinnerthemerectangles-xetex-bidi.def</code>	66
14	File <code>beamer-xetex-bidi.def</code>	34	31	File <code>beamerinnerthemrounded-xetex-bidi.def</code>	66
15	File <code>beamerbaseauxtemplates-xetex-bidi.def</code>	32	32	File <code>beamerouterthemedefault-xetex-bidi.def</code>	67
16	File <code>beamerbaseboxes-xetex-bidi.def</code>	33	33	File <code>beamerouterthemefocus-xetex-bidi.def</code>	68
17	File <code>beamerbasecolor-xetex-bidi.def</code>	44	34	File <code>beamerouterthemeinfolines-xetex-bidi.def</code>	70

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35	File beamerouterthememetropolis-xetex-bidi.def	186
36	File beamerouterthememiniframes-xetex-bidi.def	190
37	File beamerouterthemesidebar-xetex-bidi.def	191
38	File beamerouterthemesplit-xetex-bidi.def	192
39	File beamerouterthemeshadow-xetex-bidi.def	192
40	File beamerouterthesmoothbars-xetex-bidi.def	192
41	File beamerouterthesmoothtree-xetex-bidi.def	193
42	File beamerouterthemetree-xetex-bidi.def	193
43	File beamerthemeHannover-xetex-bidi.def	194
44	File beamerthemeSingapore-xetex-bidi.def	196
45	File bidi.sty	81
46	File bidi.tex	87
47	File bidi2in1.sty	90
48	File bidicode.sty	91
49	File bidiftnextra.sty	94
50	File bidimoderncv.cls	98
51	File bidi-perpage.sty	102
52	File biditools.sty	104
53	File bidituftefloat.sty	141
54	File bidituftesidenote.sty	152
55	File bidituftetoc.sty	162
56	File bidituftegeneralstructure.sty	164
57	File bidituftehyperref.sty	167
58	File bidituftetitle.sty	167
59	File biditufte-handout.cls	170
60	File biditufte-book.cls	171
61	File bidipoem.sty	172
62	File boek3-xetex-bidi.def	178
63	File boek-xetex-bidi.def	182
64	File bookest-xetex-bidi.def	185
65	File book1-xetex-bidi.def	186
66	File book2-xetex-bidi.def	190
67	File book3-xetex-bidi.def	191
68	File book4caption-xetex-bidi.def	192
69	File book5caption3-xetex-bidi.def	192
70	File book6tbl-xetex-bidi.def	192
71	File book7tbl-xetex-bidi.def	193
72	File book8combine-xetex-bidi.def	193
73	File book9crop-xetex-bidi.def	194
74	File book10cutwin-xetex-bidi.def	196
75	File cuted-xetex-bidi.def	196
76	File cvthemebidicasual.sty	205
77	File cvthemebidiclassic.sty	206
78	File dblfnote-xetex-bidi.def	208
79	File diagbox-xetex-bidi.def	212
80	File draftwatermark-xetex-bidi.def	214
81	File eso-pic-xetex-bidi.def	214
82	File empheq-xetex-bidi.def	215
83	File extarticle-xetex-bidi.def	218
84	File extbook-xetex-bidi.def	221
85	File extletter-xetex-bidi.def	225
86	File extrafootnotefeatures-xetex-bidi.def	225
87	File extreport-xetex-bidi.def	296
88	File fancybox-xetex-bidi.def	299
89	File fancyhdr-xetex-bidi.def	300
90	File fix2col-xetex-bidi.def	300
91	File fleqn-xetex-bidi.def	301
92	File float-xetex-bidi.def	302
93	File floatrow-xetex-bidi.def	302
94	File flowfram-xetex-bidi.def	302



95 File footnote-xetex-bidi.def	305	125 File pdfbase-xetex-bidi.def	383
96 File footnotebackref-xetex-bidi.def	312	126 File pdfscape-xetex-bidi.def	384
97 File framed-xetex-bidi.def	313	127 File pdfpages-xetex-bidi.def	384
98 File ftnright-xetex-bidi.def	316	128 File pgfcorescopes.code-xetex-bidi.def	385
99 File graphicx-xetex-bidi.def	321	129 File pgfsys.code-xetex-bidi.def	386
100 File geometry-xetex-bidi.def	323	130 File picinpar-xetex-bidi.def	386
101 File hvfloat-xetex-bidi.def	324	131 File plain-xetex-bidi.def	389
102 File hyperref-xetex-bidi.def	330	132 File pstricks-xetex-bidi.def	391
103 File imsgproc-xetex-bidi.def	342	133 File quotchap-xetex-bidi.def	392
104 File leqno-xetex-bidi.def	343	134 File ragged2e-xetex-bidi.def	392
105 File letter-xetex-bidi.def	343	135 File rapport1-xetex-bidi.def	394
106 File lineno-xetex-bidi.def	344	136 File rapport3-xetex-bidi.def	399
107 File listings-xetex-bidi.def	345	137 File refrep-xetex-bidi.def	404
108 File loadingorder-xetex-bidi.def	347	138 File report-xetex-bidi.def	407
109 File longtable-xetex-bidi.def	352	139 File rotating-xetex-bidi.def	411
110 File lscape-xetex-bidi.def	355	140 File scrartcl-xetex-bidi.def	414
111 File mathtools-xetex-bidi.def	355	141 File scrbook-xetex-bidi.def	427
112 File mdframed-xetex-bidi.def	355	142 File scrreprt-xetex-bidi.def	442
113 File bidi-media9.sty	357	143 File sidecap-xetex-bidi.def	456
114 File memoir-xetex-bidi.def	368	144 File soul-xetex-bidi.def	456
115 File midfloat-xetex-bidi.def	371	145 File stabular-xetex-bidi.def	457
116 File minitoc-xetex-bidi.def	375	146 File subfigure-xetex-bidi.def	458
117 File multicol-xetex-bidi.def	376	147 File tabs-xetex-bidi.def	458
118 File multienum-xetex-bidi.def	379	148 File tabularx-xetex-bidi.def	459
119 File natbib-xetex-bidi.def	380	149 File tabulary-xetex-bidi.def	460
120 File newfloat-xetex-bidi.def	381	150 File tc-xetex-bidi.def	461
121 File nicematrix-xetex-bidi.def	381	151 File tcolorbox-xetex-bidi.def	461
122 File ntheorem-xetex-bidi.def	382	152 File titlesec-xetex-bidi.def	462
123 File ntheorem-hyper-xetex-bidi.def	382	153 File titletoc-xetex-bidi.def	462
124 File overpic-xetex-bidi.def	383	154 File tocbibind-xetex-bidi.def	463



155	File tocloft-xetex-bidi.def	465	160	File xcolor-xetex-bidi.def	493
156	File tocbasic-xetex-bidi.def	471	161	File latex-xetex-bidi.def	495
157	File tocstyle-xetex-bidi.def	485	162	File xltextra-xetex-bidi.def	514
158	File todonotes-xetex-bidi.def	490	163	Index	514
159	File wrapfig-xetex-bidi.def	492			



1 File amsart-xetex-bidi.def

```

1 \ProvidesFile{amsart-xetex-bidi.def}[2017/08/09 v1.1 bidi adaptations for amsart class for
2 \def\@tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
7     \ifempty{#4}{%
8       \@tempdima\csname r@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else
13    \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17    \endgroup
18  \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.4\p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern11\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35   \insert\footins{%
36     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37     \reset@font%
38     \bidi@footnotetext@font% \normalfont\footnotesize
39     \interlinepenalty\interfootnotelinepenalty
40     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
41     \floatingpenalty\@MM \hsize\columnwidth
42     \@parboxrestore \parindent\normalparindent \sloppy
43     \protected@edef\@currentlabel{%
44       \csname p@footnote\endcsname\@thefnmark}%
45     \@makefnmark{%
46       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}%
47
48 \long\def\@RTLfootnotetext#1{%
49   \insert\footins{%
50     \@RTLtrue%
51     \reset@font%
52     \bidi@RTLfootnotetext@font% \normalfont\footnotesize

```



```

53 \interlinepenalty\interfootnotelinepenalty
54 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
55 \floatingpenalty\@MM \hsize\columnwidth
56 \@parboxrestore \parindent\normalparindent \sloppy
57 \protected@edef\@currentlabel{%
58   \csname p@footnote\endcsname\@thefnmark}%
59 \@makefnfntext{%
60   \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
61
62
63
64 \long\def\@LTRfootnotetext#1{%
65   \insert\footins{%
66     \RTLfalse%
67     \reset@font%
68     \bidi@LTRfootnotetext@font% \normalfont\footnotesize
69     \interlinepenalty\interfootnotelinepenalty
70     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
71     \floatingpenalty\@MM \hsize\columnwidth
72     \@parboxrestore \parindent\normalparindent \sloppy
73     \protected@edef\@currentlabel{%
74       \csname p@footnote\endcsname\@thefnmark}%
75     \@makefnfntext{%
76       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
77
78
79 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
80 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
81 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
82
83 \renewenvironment{thebibliography}[1]{%
84   \@bibtitlestyle
85   \normalfont\bibliofont\labelsep .5em\relax
86   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
87   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
88   \bidi@thebibliography@font@hook%
89   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
90     \leftmargin\labelwidth \advance\leftmargin\labelsep
91     \usecounter{enumiv}}%
92   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
93   \sfcode\`.\@m
94 }{%
95   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
96   \endlist
97 }
98 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
99   \columnseprule\z@ \columnsep 35\p@
100   \@indextitlestyle
101   \thispagestyle{plain}%
102   \let\item\@idxitem
103   \parindent\z@ \parskip\z@\@plus.3\p@\relax
104   \ifRTL\raggedleft\else\raggedright\fi
105   \hyphenpenalty\@M
106   \footnotesize}

```



```

107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111   \@topnum\z@ % this prevents figures from falling at the top of page 1
112   \@setcopyright
113   \thispagestyle{firstpage}% this sets first page specifications
114   \uppercase\nonmath\shorttitle
115   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116   \else \andify\shortauthors
117   \fi
118   \@maketitle@hook
119   \begingroup
120   \@maketitle
121   \toks@{\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}}%
122   \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
123   \edef\@tempa{%
124     \@nx\markboth{\the\toks4
125       \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
126   \@tempa
127   \endgroup
128   \c@footnote\z@
129   \@cleartopmattertags
130 }

```

2 File adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol]
132 \def\adjmulticols#1#2#3{\col@number#1\relax
133   \def\@tempa{#2}%
134   \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
135   \def\@tempa{#3}%
136   \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi
137   \ifnum\col@number<\@ne
138     \PackageWarning{adjmulticol}%
139       {Using '\number\col@number'
140        columns doesn't seem a good idea.^^J
141        I therefore use one columns instead}%
142     \col@number\@ne\fi
143   \ifnum\col@number>10
144     \PackageError{adjmulticol}%
145       {Too many columns}%
146       {Current implementation doesn't
147        support more than 10 columns.%
148       \MessageBreak
149       I therefore use 10 columns instead}%
150     \col@number10 \fi
151   \ifx\@footnotetext\mult@footnotetext\else
152     \let\orig@footnotetext\@footnotetext
153     \let\@footnotetext\mult@footnotetext
154   \fi
155   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
156     \let\orig@LTRfootnotetext\@LTRfootnotetext
157     \let\@LTRfootnotetext\mult@LTRfootnotetext

```



```

158 \fi
159 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
160 \let\orig@RTLfootnotetext\@RTLfootnotetext
161 \let\@RTLfootnotetext\mult@RTLfootnotetext
162 \fi
163 \@ifnextchar[\adjmult@cols{\adjmult@cols[]}]{}
164 \let\adjmc@page@sofar@orig=\page@sofar

```

3 File algorithm2e-xetex-bidi.def

```

165 \ProvidesFile{algorithm2e-xetex-bidi.def}[2018/09/23 v0.2 bidi adaptations for algorithm2e]
166 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
169 \fi
170 \@ifpackageloaded{color}{\%
171 \bidi@patchcmd{\@algocf@start}{\bgroup}{\%
172 \bgroup
173 \if@RTL
174 \beginR
175 \else
176 \beginL
177 \fi
178 }{}{}
179 \bidi@patchcmd{\@algocf@finish}{\egroup\end{lrbox}}{\%
180 \if@RTL
181 \endR
182 \else
183 \endL
184 \fi
185 \egroup
186 \end{lrbox}}%
187 }{}{}
188 \bidi@patchcmd{\algocf@makecaption}{\hbox}{\%
189 \if@RTL
190 \hboxR
191 \else
192 \hboxL
193 \fi
194 }{}{}
195 }

```

4 File amsbook-xetex-bidi.def

```

196 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class]
197 \def\@tocline#1#2#3#4#5#6#7{\relax
198 \ifnum #1>\c@tocdepth % then omit
199 \else
200 \par \addpenalty\@secpenalty\addvspace{#2}%
201 \begingroup \hyphenpenalty\@M
202 \@ifempty{#4}{\%
203 \@tempdima\csname r@tocindent\@number#1\endcsname\relax
204 }{\%
205 \@tempdima#4\relax

```



```

206 }%
207 \parindent\z@ \ifRTL\righskip\else\leftskip\fi#3\relax \advance\ifRTL\righskip\else
208 \ifRTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
209 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
210 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
211 \nobreak
212 \endgroup
213 \fi}
214 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
215 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
216 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
217 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
218 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
219 \columnseprule\z@ \columnsep 35\p@
220 \@indextitlestyle
221 \thispagestyle{plain}%
222 \let\item\@idxitem
223 \parindent\z@ \parskip\z@\@plus.3\p@\relax
224 \ifRTL\raggedleft\else\raggedright\fi
225 \hyphenpenalty\@M
226 \footnotesize}
227 \def\@idxitem{\par\hangindent \ifRTL-\fi2em}
228 \def\subitem{\par\hangindent \ifRTL-\fi2em\hspace*{1em}}
229 \def\subsubitem{\par\hangindent \ifRTL-\fi3em\hspace*{2em}}
230 \def\right@footnoterule{%
231 \kern-.4\p@
232 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
233 \kern11\p@\kern-\footnotesep}
234 \def\left@footnoterule{\kern-.4\p@
235 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
236
237 \long\def\@footnotetext#1{%
238 \insert\footins{%
239 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
240 \reset@font%
241 \bidi@footnotetext@font% \normalfont\footnotesize
242 \interlinepenalty\interfootnotelinepenalty
243 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
244 \floatingpenalty\@MM \hsize\columnwidth
245 \@parboxrestore \parindent\normalparindent \sloppy
246 \protected@edef\@currentlabel{%
247 \csname p@footnote\endcsname\@thefnmark}%
248 \@makefnmark%
249 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
250
251 \long\def\@RTLfootnotetext#1{%
252 \insert\footins{%
253 \@RTLtrue%
254 \reset@font%
255 \bidi@RTLfootnotetext@font% \normalfont\footnotesize
256 \interlinepenalty\interfootnotelinepenalty
257 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
258 \floatingpenalty\@MM \hsize\columnwidth
259 \@parboxrestore \parindent\normalparindent \sloppy

```



```

260 \protected@edef\@currentlabel{%
261 \csname p@footnote\endcsname\@thefnmark}%
262 \@makefntext{%
263 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
264
265
266 \long\def\@LTRfootnotetext#1{%
267 \insert\footins{%
268 \@RTLfalse%
269 \reset@font%
270 \bidi@LTRfootnotetext@font% \normalfont\footnotesize
271 \interlinepenalty\interfootnotelinepenalty
272 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
273 \floatingpenalty\@MM \hsize\columnwidth
274 \@parboxrestore \parindent\normalparindent \sloppy
275 \protected@edef\@currentlabel{%
276 \csname p@footnote\endcsname\@thefnmark}%
277 \@makefntext{%
278 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
279
280
281
282 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
283 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
284 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
285
286 \renewenvironment{thebibliography}[1]{%
287 \@bibtitlestyle
288 \normalfont\bibliofont\labelsep .5em\relax
289 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
290 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
291 \bidi@thebibliography@font@hook%
292 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
293 \leftmargin\labelwidth \advance\leftmargin\labelsep
294 \usecounter{enumiv}}%
295 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
296 \sfcode\`.\@m
297 }{%
298 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
299 \endlist
300 }
301 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
302 \begingroup
303 \fontsize{\@xivpt}{18}\bfseries\centering
304 \ifnum\c@secnumdepth>\m@ne
305 \leavevmode \hskip-\if@RTL\rightskip\else\leftskip\fi
306 \rlap{\vbox to\z@{\vss
307 \centerline{\normalsize\mdseries
308 \uppercase\@xp{\chaptername}\enspace\thechapter}
309 \vskip 3pc}}\hskip\if@RTL\rightskip\else\leftskip\fi\fi
310 #1\par \endgroup
311 \skip@34\p@ \advance\skip@-\normalbaselineskip
312 \vskip\skip@ }
313 \def\maketitle{\par

```



```

314 \@topnum\z@ % this prevents figures from falling at the top of page 1
315 \begingroup
316 \@maketitle
317 \endgroup
318 \c@footnote\z@
319 \def\do##1{\let##1\relax}%
320 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
321 \do\author \do\@xauthor \do\address \do\@xaddress
322 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
323 \do\dedicatory \do\@dedicatory \do\thanks \do\@thankses
324 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
325 }

```

5 File amsmath-xetex-bidi.def

```

326 \ProvidesFile{amsmath-xetex-bidi.def}[2020/05/16 v1.2 bidi adaptations for amsmath package]
327 \let\veqno=\eqno
328 \iftagsleft@ \let\veqno=\leqno \fi
329 \renewcommand{\numberwithin}[3][\arabic]{%
330   \@ifundefined{c@#2}{\@nocounterr{#2}}{%
331     \@ifundefined{c@#3}{\@nocnterr{#3}}{%
332       \@addtoreset{#2}{#3}%
333       \xp\xdef\csname the#2\endcsname{%
334         \xp\xnx\csname the#3\endcsname \nx\@SepMark\xnx#1{#2}}}%
335 }
336 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italic
337
338 \bidi@patchcmd\math@cr@@@align\place@tag{%
339   \place@tag
340   \else
341     \place@tag
342 }{}{}
343

```

6 File amstext-xetex-bidi.def

```

344 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package]
345 \def\textdef@#1#2#3{\hbox{%
346   \everymath{#1}%
347   \let\fontsize#2\selectfont
348   \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}}

```

7 File amsthm-xetex-bidi.def

```

349 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package]
350 \def\@thmcountersep{\@SepMark}

```

8 File array-xetex-bidi.def

```

351 \ProvidesFile{array-xetex-bidi.def}[2024/12/07 v0.4 bidi adaptations for array package]
352 \def\@testpach{\@chclass
353   \ifnum \@lastchclass=6 \one \@chnum \one \else
354   \ifnum \@lastchclass=7 5 \else
355   \ifnum \@lastchclass=8 \tw@ \else

```



```

356 \ifnum \@lastchclass=9 \thr@@
357 \else \z@
358 \ifnum \@lastchclass = 10 \else
359 \edef\@nextchar{\expandafter\string\@nextchar}%
360 \@chnum
361 \if \@nextchar c\z@ \else
362 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
363 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
364 \z@ \@chclass
365 \if \@nextchar |\@ne \else
366 \if \@nextchar !6 \else
367 \if \@nextchar @7 \else
368 \if \@nextchar <8 \else
369 \if \@nextchar >9 \else
370 10
371 \@chnum
372 \if \@nextchar m\thr@@ \else
373 \if \@nextchar p4 \else
374 \if \@nextchar b5 \else
375 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
376 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
377 \def\@tabular{%
378 \leavevmode
379 \UseTaggingSocket{tbl/hmode/begin}%
380 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\begingroup
381 \let\d@llarend\endgroup
382 \@tabarray}
383 \def\endtabular{\endarray\m@th $\if@RTLtab\endR\fi\egroup
384 \UseTaggingSocket{tbl/hmode/end}%
385 }
386 \expandafter\let\csname endtabular*\endcsname=\endtabular
387 \ExplSyntaxOn
388 \def\@array[#1]#2{
389 \@tempdima \ht \strutbox
390 \advance \@tempdima by\extrarowheight
391 \setbox \@arstrutbox \hbox{\vrule
392 \height \arraystretch \@tempdima
393 \depth \arraystretch \dp \strutbox
394 \width \z@}%
395 \tbl_save_outer_table_cols:
396 \begingroup
397 \mkpream{#2}%
398 \tbl_count_table_cols:
399 \xdef\@preamble{
400 \noexpand \ar@ialign
401 \@halignto
402 \bgroup \@arstrut
403 \UseTaggingSocket{tbl/row/begin}
404 \tbl_init_cell_data_for_row:
405 \@preamble
406 \tabskip \z@ \cr}
407 \endgroup
408 \@arrayleft
409 \if #1t\top \else \if#1b\ vbox \else \vcenter \fi \fi

```



```

410 \bgroup
411 \let \@sharp ##\let \protect \relax
412 \lineskip \z@
413 \baselineskip \z@
414 \mathsurround \z@
415 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty
416 \UseTaggingSocket{tbl/init}
417 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
418 \@preamble
419 }
420 \ExplSyntaxOff
421 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
422 \ExplSyntaxOn
423 \def\endarray {
424 \tbl_crr:n{endarray} \egroup
425 \if@RTLtab\egroup\endR\egroup\fi
426 \UseTaggingSocket{tbl/finalize}
427 \tbl_restore_outer_cell_data:
428 \egroup
429 \@arrayright \gdef\@preamble{}%
430 }
431 \ExplSyntaxOff
432 \def\array{\col@sep\arraycolsep
433 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\def\@halignto{}}%
434 \@RTLtabfalse\@tabarray}

```

9 File article-xetex-bidi.def

```

435 \ProvidesFile{article-xetex-bidi.def}[2024/12/07 v0.7 bidi adaptations for standard article]
436 \if@titlepage
437 \renewcommand\maketitle{\begin{titlepage}%
438 \let\footnotesize\small
439 \let\right@footnoterule\relax
440 \let\left@footnoterule\relax
441 \let\textwidth@footnoterule\relax
442 \let \footnote \thanks
443 \let \LTRfootnote \LTRthanks
444 \let \RTLfootnote \RTLthanks
445 \null\vfil
446 \vskip 60\p@
447 \begin{center}%
448 {\LARGE \@title \par}%
449 \vskip 3em%
450 {\large
451 \lineskip .75em%
452 \begin{tabular}[t]{c}%
453 \@author
454 \end{tabular}\par}%
455 \vskip 1.5em%
456 {\large \@date \par}% % Set date in \large size.
457 \end{center}\par
458 \@thanks
459 \vfil\null
460 \end{titlepage}%

```



```

461 \setcounter{footnote}{0}%
462 \global\let\thanks\relax
463 \global\let\LTRthanks\relax
464 \global\let\RTLthanks\relax
465 \global\let\maketitle\relax
466 \global\let\@thanks\@empty
467 \global\let\@author\@empty
468 \global\let\@date\@empty
469 \global\let\@title\@empty
470 \global\let\title\relax
471 \global\let\author\relax
472 \global\let\date\relax
473 \global\let\and\relax
474 }
475 \else
476 \renewcommand\maketitle{\par
477 \begingroup
478 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
479 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
480 \long\def\@makefntext##1{\parindent 1em\noindent
481 \hb@xt@1.8em{%
482 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
483 \if@twocolumn
484 \ifnum \col@number=\@ne
485 \@maketitle
486 \else
487 \twocolumn[\@maketitle]%
488 \fi
489 \else
490 \newpage
491 \global\@topnum\z@ % Prevents figures from going at top of page.
492 \@maketitle
493 \fi
494 \thispagestyle{plain}\@thanks
495 \endgroup
496 \setcounter{footnote}{0}%
497 \global\let\thanks\relax
498 \global\let\LTRthanks\relax
499 \global\let\RTLthanks\relax
500 \global\let\maketitle\relax
501 \global\let\@maketitle\relax
502 \global\let\@thanks\@empty
503 \global\let\@author\@empty
504 \global\let\@date\@empty
505 \global\let\@title\@empty
506 \global\let\title\relax
507 \global\let\author\relax
508 \global\let\date\relax
509 \global\let\and\relax
510 }
511 \def\@maketitle{%
512 \newpage
513 \null
514 \vskip 2em%

```



```

515 \begin{center}%
516 \let \footnote \thanks
517 \let \LTRfootnote \LTRthanks
518 \let \RTLfootnote \RTLthanks
519 {\LARGE \@title \par}%
520 \vskip 1.5em%
521 {\large
522 \lineskip .5em%
523 \begin{tabular}[t]{c}%
524 \author
525 \end{tabular}\par}%
526 \vskip 1em%
527 {\large \@date}%
528 \end{center}%
529 \par
530 \vskip 1.5em}
531 \fi
532 \renewcommand*\l@part[2]{%
533 \ifnum \c@tocdepth >-2\relax
534 \addpenalty\@secpenalty
535 \addvspace{2.25em \@plus\p@}%
536 \setlength\@tempdima{3em}%
537 \begingroup
538 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
539 \parfillskip -\@pnumwidth
540 {\leavevmode
541 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
542 \nobreak
543 \if@compatibility
544 \global\@nobreaktrue
545 \everypar{\global\@nobreakfalse\everypar{}}%
546 \fi
547 \endgroup
548 \fi}
549 \renewcommand*\l@section[2]{%
550 \ifnum \c@tocdepth >\z@
551 \addpenalty\@secpenalty
552 \addvspace{1.0em \@plus\p@}%
553 \setlength\@tempdima{1.5em}%
554 \begingroup
555 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
556 \parfillskip -\@pnumwidth
557 \leavevmode \bfseries
558 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
559 \hskip -\if@RTL\rightskip\else\leftskip\fi
560 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
561 \endgroup
562 \fi}
563 \renewcommand\left@footnoterule{%
564 \kern-3\p@
565 \hrule\@width.4\columnwidth
566 \kern2.6\p@}
567 \renewcommand\right@footnoterule{%
568 \kern-3\p@

```



```

569 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
570 \kern2.6\p@}
571 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
572 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
573 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
574 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
575 \def\@part[#1]#2{%
576   \ifnum \c@secnumdepth >\m@ne
577     \refstepcounter{part}%
578     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
579   \else
580     \addcontentsline{toc}{part}{#1}%
581   \fi
582   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
583     \interlinepenalty \@M
584     \normalfont
585     \ifnum \c@secnumdepth >\m@ne
586       \Large\bfseries \partname\nobreakspace\thepart
587       \par\nobreak
588     \fi
589     \huge \bfseries #2%
590     \markboth{}{}\par}%
591   \nobreak
592   \vskip 3ex
593   \@afterheading}
594 \bidi@patchcmd\@spart\raggedright{%
595   \if@RTL\raggedleft\else\raggedright\fi
596 }{}{\bidi@warningnoline{Oops! patching `string\@spart' failed}}
597 \renewenvironment{thebibliography}[1]
598   {\section*{\refname}%
599     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
600     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
601     \bidi@thebibliography@font@hook%
602     \list{\@biblabel{\@arabic\c@enumiv}}%
603       {\settowidth\labelwidth{\@biblabel{#1}}%
604         \leftmargin\labelwidth
605         \advance\leftmargin\labelsep
606         \@openbib@code
607         \usecounter{enumiv}%
608         \let\p@enumiv\@empty
609         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
610     \sloppy
611     \clubpenalty4000
612     \@clubpenalty \clubpenalty
613     \widowpenalty4000%
614     \sfcode`. \m}
615   {\def\@noitemerr
616     {\@latex@warning{Empty `thebibliography' environment}}%
617     \endlist}
618 \renewenvironment{theindex}
619   {\if@twocolumn
620     \@restonecolfalse
621   \else
622     \@restonecoltrue

```



```

623         \fi
624         \columnseprule \z@
625         \columnsep 35\p@
626         \twocolumn[\section*{\indexname}]%
627         \@mkboth{\MakeUppercase\indexname}%
628                 {\MakeUppercase\indexname}%
629         \thispagestyle{plain}\parindent\z@
630         \parskip\z@ \@plus .3\p@\relax
631         \let\item\@idxitem}
632     {\if@restonecol\onecolumn\else\clearpage\fi}

```

10 File artikel1-xetex-bidi.def

```

633 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class
634 \renewenvironment{theindex}{%
635     \if@twocolumn
636         \@restonecolfalse
637     \else
638         \@restonecoltrue
639     \fi
640     \columnseprule \z@
641     \columnsep 35\p@
642     \twocolumn[\section*{\indexname}]%
643     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
644     \thispagestyle{plain}\parindent\z@
645     \parskip\z@ \@plus .3\p@\relax
646     \let\item\@idxitem
647 }{%
648     \if@restonecol\onecolumn\else\clearpage\fi}
649 \renewcommand*{\head@style}{%
650     \interlinepenalty \@M
651     \hyphenpenalty=\@M \exhyphenpenalty=\@M
652     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
653 \if@titlepage
654     \renewenvironment{abstract}{%
655         \titlepage
656         \null\vfil
657         \section*{\SectFont\abstractname}
658         \noindent\ignorespaces}
659     {\par\vfil\null\endtitlepage}
660 \else
661     \renewenvironment{abstract}{%
662         \if@twocolumn
663             \section*{\abstractname}%
664         \else
665             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
666             \section*{\small\SectFont\abstractname}%
667             \noindent\ignorespaces
668         \fi}
669     {\if@twocolumn\else\par\egroup\fi}
670 \fi
671 \renewcommand*{\@regtocline}[3]{%
672     \ifnum #1>\c@tocdepth
673     \else

```



```

674 \vskip\z@\@plus.2\p@
675 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
676 \if@RTL\rightrightskip\else\leftskip\fi\unitindent
677 \if@RTL\leftskip\else\rightrightskip\fi\unitindent\@plus 1fil
678 \parfillskip\z@
679 \@tempdima\unitindent
680 \parindent\z@
681 \leavevmode
682 \hbox{\hskip -\if@RTL\rightrightskip\else\leftskip\fi\relax#2\nobreak
683 \hskip 1em \nobreak{\slshape #3}\par
684 }%
685 \fi}
686 \if@oldtoc
687 \renewcommand*\l@part[2]{%
688 \ifnum \c@tocdepth >-2\relax
689 \addpenalty\@secpenalty
690 \addvspace{2.25em \@plus\p@}%
691 \begingroup
692 \setlength\@tempdima{3em}%
693 \parindent \z@ \if@RTL\leftskip\else\rightrightskip\fi \@pnumwidth
694 \parfillskip -\@pnumwidth
695 {\leavevmode
696 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
697 \nobreak
698 \if@compatibility
699 \global\@nobreaktrue
700 \everypar{\global\@nobreakfalse\everypar{}}%
701 \fi
702 \endgroup
703 \fi}
704 \else
705 \renewcommand*\l@part{%
706 \ifnum \c@tocdepth >-2\relax
707 \addpenalty\@secpenalty
708 \addvspace{2.25em \@plus \p@}%
709 \@regtocline{0}%
710 \fi}
711 \fi
712 \if@oldtoc
713 \renewcommand*\l@section[2]{%
714 \addpenalty\@secpenalty
715 \addvspace{1.0em \@plus\p@}%
716 \setlength\@tempdima{1.5em}%
717 \begingroup
718 \parindent \z@ \if@RTL\leftskip\else\rightrightskip\fi \@pnumwidth
719 \parfillskip -\@pnumwidth
720 \leavevmode \bfseries
721 \advance\if@RTL\rightrightskip\else\leftskip\fi\@tempdima
722 \hskip -\if@RTL\rightrightskip\else\leftskip\fi
723 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
724 \endgroup}
725 \else
726 \renewcommand*\l@section{\@regtocline{1}}
727 \fi

```



```

728 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
729 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
730 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
731 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
732 \renewenvironment{thebibliography}[1]
733   {\section*\refname}%
734   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
735   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
736   \bidi@thebibliography@font@hook%
737   \list{\@biblabel{\@arabic\c@enumiv}}%
738     {\settoheight\labelwidth{\@biblabel{#1}}%
739     \leftmargin\labelwidth
740     \advance\leftmargin\labelsep
741     \@openbib@code
742     \usecounter{enumiv}%
743     \let\p@enumiv\@empty
744     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
745   \sloppy\clubpenalty4000\widowpenalty4000%
746   \sfcode\.\@m}
747   {\def\@noitemerr
748     {\@latex@warning{Empty `thebibliography' environment}}%
749   \endlist}
750 \renewcommand*\left@footnoterule{%
751   \kern-3\p@
752   \kern.5\baselineskip
753   \hrule\@width\unitindent
754   \kern.4\baselineskip
755 }
756 \renewcommand*\right@footnoterule{%
757   \kern-3\p@
758   \kern.5\baselineskip
759   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
760   \kern.4\baselineskip}
761 \if@titlepage
762 \renewcommand*\TitleFont{\rmfamily}
763 \renewcommand*\maketitle{%
764   \begin{titlepage}%
765     \let\footnotesize\small
766     \let\right@footnoterule\relax
767     \let\left@footnoterule\relax
768     \let\textwidth@footnoterule\relax
769     \let \footnote \thanks
770     \long\def\@makefnmark{\parindent\z@
771       \def\labelitemi{\textendash}\@revlabeltrue
772       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
773     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
774     \ifcompatibility\setcounter{page}{0}\fi
775     \null\vfil
776     \vskip 60\p@
777     \begin{center}%
778       \TitleFont
779       {\LARGE \def\\{\penalty -\@M}
780       \if@allcaps
781         \expandafter\uc@nothanks\@title\thanks\relax

```



```

782     \else
783     \@title
784     \fi\par}%
785 \vskip 3em%
786 {\large
787 \lineskip .75em \parindent\z@
788 \begin{tabular}[t]{c}%
789 \if@allcaps
790 \expandafter\uc@authornothanks\@author\and\relax
791 \else
792 \@author
793 \fi
794 \end{tabular}\par}%
795 \vskip 1.5em%
796 {\large
797 \if@allcaps
798 \uppercase\expandafter{\@date}%
799 \else
800 \@date
801 \fi\par}%
802 \end{center}\par
803 \@thanks
804 \vfil\null
805 \end{titlepage}%
806 \setcounter{footnote}{0}%
807 \global\let\thanks\relax
808 \global\let\maketitle\relax
809 \global\let\@thanks\@empty
810 \global\let\@author\@empty
811 \global\let\@title\@empty
812 \global\let\@date\@empty
813 \global\let\title\relax
814 \global\let\author\relax
815 \global\let\date\relax
816 \global\let\and\relax
817 }
818 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
819 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
820 \futurelet\@tempa\uc@ax}
821 \def\uc@ax{%
822 \ifx\@tempa\relax
823 \else
824 \\\andname \\\expandafter\uc@authornothanks
825 \fi}
826 \def\uc@tx{\ifx\@tempa\relax
827 \else \expandafter\uc@ty \fi}
828 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
829 \else
830 \renewcommand*\maketitle{\par
831 \begingroup
832 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
833 \def\@makefnmark{\rlap{%
834 \textsuperscript{\normalfont\@thefnmark}}}%
835 \long\def\@makefntext{\@xmakefntext{

```



```

836     \@textsuperscript{\normalfont\@thefnmark}}}%
837 \if@twocolumn
838     \ifnum \col@number=\@ne
839         \@maketitle
840     \else
841         \twocolumn[\@maketitle]%
842     \fi
843 \else
844     \newpage
845     \global\@topnum\z@
846     \@maketitle
847 \fi
848 \thispagestyle{plain}\@thanks
849 \endgroup
850 \setcounter{footnote}{0}%
851 \global\let\thanks\relax
852 \global\let\maketitle\relax
853 \global\let\@maketitle\relax
854 \global\let\@thanks\@empty
855 \global\let\@author\@empty
856 \global\let\@title\@empty
857 \global\let\@date\@empty
858 \global\let\title\relax
859 \global\let\author\relax
860 \global\let\date\relax
861 \global\let\and\relax
862 }
863 \def\@maketitle{%
864     \newpage
865     \null
866     \vskip 2em%
867     \begin{center}%
868         \let \footnote \thanks
869         {\LARGE \TitleFont \@title \par}%
870         \vskip 1.5em%
871         {\large \TitleFont
872             \lineskip .5em%
873             \begin{tabular}[t]{c}%
874                 \@author
875             \end{tabular}\par}%
876         \vskip 1em%
877         {\large \TitleFont \@date}%
878     \end{center}%
879     \par
880     \vskip 1.5em}
881 \fi

```

11 File artikel2-xetex-bidi.def

```

882 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class]
883 \renewenvironment{theindex}{%
884     \if@twocolumn
885         \@restonecolfalse
886     \else

```



```

887 \@restonecoltrue
888 \fi
889 \columnseprule \z@
890 \columnsep 35\p@
891 \twocolumn[\section*{\indexname}]{%
892 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
893 \thispagestyle{plain}\parindent\z@
894 \parskip\z@ \@plus .3\p@\relax
895 \let\item\@idxitem
896 }{%
897 \if@restonecol\onecolumn\else\clearpage\fi}
898 \renewcommand*\@regtocline[3]{%
899 \ifnum #1>\c@tocdepth
900 \else
901 \vskip\z@\@plus.2\p@
902 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
903 \if@RTL\righskip\else\leftskip\fi\unitindent
904 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
905 \parfillskip\z@
906 \@tempdima\unitindent
907 \advance\@tempdima by \othermargin
908 \parindent\z@
909 \leavevmode
910 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
911 \hskip 1em \nobreak{\slshape #3}\par
912 }%
913 \fi}
914 \if@oldtoc
915 \renewcommand*\l@section[2]{%
916 \addpenalty\@secpenalty
917 \addvspace{1.0em \@plus\p@}%
918 \setlength\@tempdima{1.5em}%
919 \begingroup
920 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
921 \parfillskip -\@pnumwidth
922 \leavevmode \bfseries
923 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
924 \hskip -\if@RTL\righskip\else\leftskip\fi
925 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
926 \endgroup}
927 \else
928 \renewcommand*\l@section{\@regtocline{1}}
929 \fi
930 \if@oldtoc
931 \renewcommand*\l@part[2]{%
932 \ifnum \c@tocdepth >-2\relax
933 \addpenalty\@secpenalty
934 \addvspace{2.25em \@plus\p@}%
935 \begingroup
936 \setlength\@tempdima{3em}%
937 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
938 \parfillskip -\@pnumwidth
939 {\leavevmode
940 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par

```



```

941         \nobreak
942         \if@compatibility
943         \global\@nobreaktrue
944         \everypar{\global\@nobreakfalse\everypar{}}%
945     \fi
946 \endgroup
947 \fi}
948 \else
949     \renewcommand*\l@part{%
950         \ifnum \c@tocdepth >-2\relax
951         \addpenalty\@secpenalty
952         \addvspace{2.25em \@plus \p@}%
953         \@regtocline{0}%
954     \fi}
955 \fi
956 \renewcommand*\head@style{%
957     \interlinepenalty \@M
958     \hyphenpenalty=\@M \exhyphenpenalty=\@M
959     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
960 \if@titlepage
961     \renewenvironment{abstract}{%
962         \titlepage
963         \null\vfil
964         \section*{\SectFont\abstractname}%
965         \noindent\ignorespaces
966         {\par\vfil\null\endtitlepage}
967 \else
968     \renewenvironment{abstract}{%
969         \if@twocolumn
970         \section*{\abstractname}%
971         \else
972         \section*{\hskip\unitindent\small\SectFont\abstractname}%
973         \list{}{\setlength\listparindent{\unitindent}%
974             \setlength\parindent {\z@}%
975             \setlength\leftmargin {\unitindent}%
976             \setlength\rightmargin {\unitindent}%
977             \setlength\parsep {\z@}}%
978         \item[]%
979     \fi}
980     {\if@twocolumn\else\par\endlist\fi}
981 \fi
982 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
983 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
984 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
985 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
986 \renewcommand*\left@footnoterule{%
987     \kern-3\p@
988     \hrule\@width 3\unitindent
989     \kern 2.6\p@
990 }
991 \renewcommand*\right@footnoterule{%
992     \kern-3\p@
993     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
994     \kern 2.6\p@}

```



```

995 \renewenvironment{thebibliography}[1]
996   {\section*{\refname}%
997     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
998     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
999     \bidi@thebibliography@font@hook%
1000     \list{\@biblabel{\@arabic\c@enumiv}}%
1001       {\settowidth\labelwidth{\@biblabel{#1}}%
1002         \leftmargin\labelwidth
1003         \advance\leftmargin\labelsep
1004         \@openbib@code
1005         \usecounter{enumiv}%
1006         \let\p@enumiv\@empty
1007         \renewcommand*{theenumiv}{\@arabic\c@enumiv}}%
1008     \sloppy\clubpenalty4000\widowpenalty4000%
1009     \sfcode\.\@m}
1010   {\def\@noitemerr
1011     {\@latex@warning{Empty `thebibliography' environment}}%
1012     \endlist}
1013 \if@titlepage
1014 \renewcommand*\TitleFont{\rmfamily}
1015 \renewcommand*\maketitle{%
1016   \begin{titlepage}%
1017     \let\footnotesize\small
1018     \let\right@footnoterule\relax
1019     \let\left@footnoterule\relax
1020     \let\textwidth\footnoterule\relax
1021     \let\footnote\thanks
1022     \long\def\@makefnmark{\parindent\z@
1023       \def\labelitemi{\textendash}\@revlabeltrue
1024       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1025     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1026     \if@compatibility\setcounter{page}{0}\fi
1027     \null\vfil
1028     \vskip 60\p@
1029     \begin{center}%
1030       \TitleFont
1031       {\LARGE \def\{\{\penalty -\@M}
1032         \if@allcaps
1033           \expandafter\uc@nothanks\@title\thanks\relax
1034         \else
1035           \@title
1036         \fi\par}%
1037       \vskip 3em%
1038       {\large
1039         \lineskip .75em \parindent\z@
1040         \begin{tabular}[t]{c}%
1041           \if@allcaps
1042             \expandafter\uc@authornothanks\@author\and\relax
1043           \else
1044             \@author
1045           \fi
1046         \end{tabular}\par}%
1047       \vskip 1.5em%
1048       {\large

```



```

1049     \if@allcaps
1050         \uppercase\expandafter{\@date}%
1051     \else
1052         \@date
1053     \fi\par}%
1054 \end{center}\par
1055 \@thanks
1056 \vfil\null
1057 \end{titlepage}%
1058 \setcounter{footnote}{0}%
1059 \global\let\thanks\relax
1060 \global\let\maketitle\relax
1061 \global\let\@thanks\@empty
1062 \global\let\@author\@empty
1063 \global\let\@title\@empty
1064 \global\let\@date\@empty
1065 \global\let\title\relax
1066 \global\let\author\relax
1067 \global\let\date\relax
1068 \global\let\and\relax
1069 }
1070 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1071 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1072     \futurelet\@tempa\uc@ax}
1073 \def\uc@ax{%
1074     \ifx\@tempa\relax
1075     \else
1076         \\\andname \\\expandafter\uc@authornothanks
1077     \fi}
1078 \def\uc@tx{\ifx\@tempa\relax
1079     \else \expandafter\uc@ty \fi}
1080 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1081 \else
1082 \renewcommand*\maketitle{\par
1083     \begingroup
1084         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1085         \long\def\@makefnmark##1{\parindent\z@
1086             \def\labelitemi{\textendash}%
1087             \leavevmode\hb@xt@.5\unitindent{%
1088                 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1089         \if@twocolumn
1090             \ifnum \col@number=\@one
1091                 \@maketitle
1092             \else
1093                 \twocolumn[\@maketitle]%
1094             \fi
1095         \else
1096             \newpage
1097             \global\@topnum\z@
1098             \@maketitle
1099         \fi
1100         \thispagestyle{plain}\@thanks
1101     \endgroup
1102     \setcounter{footnote}{0}%

```



```

1103 \global\let\thanks\relax
1104 \global\let\maketitle\relax
1105 \global\let\@maketitle\relax
1106 \global\let\@thanks\@empty
1107 \global\let\@author\@empty
1108 \global\let\@title\@empty
1109 \global\let\@date\@empty
1110 \global\let\title\relax
1111 \global\let\author\relax
1112 \global\let\date\relax
1113 \global\let\and\relax
1114 }
1115 \def\@maketitle{%
1116 \newpage
1117 \null
1118 \vskip 2em%
1119 \begin{center}%
1120 \let \footnote \thanks
1121 {\LARGE \TitleFont \@title \par}%
1122 \vskip 1.5em%
1123 {\large \TitleFont
1124 \lineskip .5em%
1125 \begin{tabular}[t]{c}%
1126 \@author
1127 \end{tabular}\par}%
1128 \vskip 1em%
1129 {\large \TitleFont \@date}%
1130 \end{center}%
1131 \par
1132 \vskip 1.5em}
1133 \fi

```

12 File artikel3-xetex-bidi.def

```

1134 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class]
1135 \renewenvironment{theindex}{%
1136 \if@twocolumn
1137 \@restonecolfalse
1138 \else
1139 \@restonecoltrue
1140 \fi
1141 \columnseprule \z@
1142 \columnsep 35\p@
1143 \twocolumn[\section*{\indexname}]{%
1144 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1145 \thispagestyle{plain}\parindent\z@
1146 \parskip\z@ \@plus .3\p@\relax
1147 \let\item\@idxitem
1148 }{%
1149 \if@restonecol\onecolumn\else\clearpage\fi}
1150 \renewcommand*{\head@style}{%
1151 \interlinepenalty \@M
1152 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1153 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```



```

1154 \renewcommand*\@regtocline[3]{%
1155   \ifnum #1>\c@tocdepth
1156   \else
1157     \vskip\z@\@plus.2\p@
1158     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1159     \if@RTL\righskip\else\leftskip\fi\unitindent
1160     \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
1161     \parfillskip\z@
1162     \@tempdima\unitindent
1163     \parindent\z@
1164     \leavevmode
1165     \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
1166     \hskip 1em \nobreak{\slshape #3}\par
1167   }%
1168 \fi}
1169 \if@oldtoc
1170 \renewcommand*\l@part[2]{%
1171   \ifnum \c@tocdepth >-2\relax
1172     \addpenalty\@secpenalty
1173     \addvspace{2.25em \@plus\p@}%
1174     \begingroup
1175       \setlength\@tempdima{3em}%
1176       \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
1177       \parfillskip -\@pnumwidth
1178       {\leavevmode
1179         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1180         \nobreak
1181         \if@compatibility
1182         \global\@nobreaktrue
1183         \everypar{\global\@nobreakfalse\everypar{}}%
1184       \fi
1185     \endgroup
1186   \fi}
1187 \else
1188   \renewcommand*\l@part{%
1189     \ifnum \c@tocdepth >-2\relax
1190       \addpenalty\@secpenalty
1191       \addvspace{2.25em \@plus \p@}%
1192       \@regtocline{0}%
1193     \fi}
1194 \fi
1195
1196 \if@oldtoc
1197 \renewcommand*\l@section[2]{%
1198   \addpenalty\@secpenalty
1199   \addvspace{1.0em \@plus\p@}%
1200   \setlength\@tempdima{1.5em}%
1201   \begingroup
1202   \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
1203   \parfillskip -\@pnumwidth
1204   \leavevmode \bfseries
1205   \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
1206   \hskip -\if@RTL\righskip\else\leftskip\fi
1207   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par

```



```

1208 \endgroup}
1209 \else
1210 \renewcommand*\l@section{\@regtocline{1}}
1211 \fi
1212 \if@titlepage
1213 \renewenvironment{abstract}{%
1214 \titlepage
1215 \null\vfil
1216 \section*\SectFont\abstractname}%
1217 \noindent\ignorespaces}
1218 {\par\vfil\null\endtitlepage}
1219 \else
1220 \renewenvironment{abstract}{%
1221 \if@twocolumn
1222 \section*\abstractname}%
1223 \else
1224 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1225 \section*\small\SectFont\abstractname}%
1226 \noindent\ignorespaces
1227 \fi}
1228 {\if@twocolumn\else\par\egroup\fi}
1229 \fi
1230 \renewcommand*\left@footnoterule{%
1231 \kern-3\p@
1232 \kern.5\baselineskip
1233 \hrule\@width\unitindent
1234 \kern.4\baselineskip
1235 }
1236 \renewcommand*\right@footnoterule{%
1237 \kern-3\p@
1238 \kern.5\baselineskip
1239 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1240 \kern.4\baselineskip}
1241 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1242 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1243 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1244 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1245 \renewenvironment{thebibliography}[1]
1246 {\section*\refname}%
1247 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1248 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1249 \bidi@thebibliography@font@hook%
1250 \list{\@biblabel{\@arabic\c@enumiv}}%
1251 {\settowidth\labelwidth{\@biblabel{#1}}%
1252 \leftmargin\labelwidth
1253 \advance\leftmargin\labelsep
1254 \@openbib@code
1255 \usecounter{enumiv}%
1256 \let\p@enumiv\@empty
1257 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1258 \sloppy\clubpenalty4000\widowpenalty4000%
1259 \sfcode\.\@m}
1260 {\def\@noitemerr
1261 {\@latex@warning{Empty `thebibliography' environment}}}%

```



```

1262     \endlist}
1263 \if@titlepage
1264 \renewcommand*{\TitleFont{\rmfamily}
1265 \renewcommand*{\maketitle{%
1266   \begin{titlepage}%
1267     \let\footnotesize\small
1268     \let\right@footnoterule\relax
1269     \let\left@footnoterule\relax
1270     \let\textwidth@footnoterule\relax
1271     \let \footnote \thanks
1272     \long\def\@makefntext##1{\parindent\z@
1273       \def\labelitemi{\textendash}\@revlabeltrue
1274       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1275     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1276     \if@compatibility\setcounter{page}{0}\fi
1277     \null\vfil
1278     \vskip 60\p@
1279     \begin{center}%
1280       \TitleFont
1281       {\LARGE \def\\{\penalty -\@M}
1282         \if@allcaps
1283           \expandafter\uc@nothanks\@title\thanks\relax
1284         \else
1285           \@title
1286         \fi\par}%
1287     \vskip 3em%
1288     {\large
1289       \lineskip .75em \parindent\z@
1290       \begin{tabular}[t]{c}%
1291         \if@allcaps
1292           \expandafter\uc@authornothanks\@author\and\relax
1293         \else
1294           \@author
1295         \fi
1296       \end{tabular}\par}%
1297     \vskip 1.5em%
1298     {\large
1299       \if@allcaps
1300         \uppercase\expandafter{\@date}%
1301       \else
1302         \@date
1303       \fi\par}%
1304     \end{center}\par
1305     \@thanks
1306     \vfil\null
1307   \end{titlepage}%
1308   \setcounter{footnote}{0}%
1309   \global\let\thanks\relax
1310   \global\let\maketitle\relax
1311   \global\let\@thanks\@empty
1312   \global\let\@author\@empty
1313   \global\let\@title\@empty
1314   \global\let\@date\@empty
1315   \global\let\title\relax

```



```

1316 \global\let\author\relax
1317 \global\let\date\relax
1318 \global\let\and\relax
1319 }
1320 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1321 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1322 \futurelet\@tempa\uc@ax}
1323 \def\uc@ax{%
1324 \ifx\@tempa\relax
1325 \else
1326 \\\andname \\\expandafter\uc@authornothanks
1327 \fi}
1328 \def\uc@tx{\ifx\@tempa\relax
1329 \else \expandafter\uc@ty \fi}
1330 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1331 \else
1332 \renewcommand*\maketitle{\par
1333 \begingroup
1334 \renewcommand*\thefootnote{\fnsymbol\c@footnote}%
1335 \def\@makefnmark{\rlap{%
1336 \textsuperscript{\normalfont\@thefnmark}}}%
1337 \long\def\@makefntext{\xmakefntext{%
1338 \textsuperscript{\normalfont\@thefnmark}}}%
1339 \if@twocolumn
1340 \ifnum \col@number=\@one
1341 \maketitle
1342 \else
1343 \twocolumn[\maketitle]%
1344 \fi
1345 \else
1346 \newpage
1347 \global\@topnum\z@
1348 \maketitle
1349 \fi
1350 \thispagestyle{plain}\@thanks
1351 \endgroup
1352 \setcounter{footnote}{0}%
1353 \global\let\thanks\relax
1354 \global\let\maketitle\relax
1355 \global\let\@maketitle\relax
1356 \global\let\@thanks\@empty
1357 \global\let\@author\@empty
1358 \global\let\@title\@empty
1359 \global\let\@date\@empty
1360 \global\let\title\relax
1361 \global\let\author\relax
1362 \global\let\date\relax
1363 \global\let\and\relax
1364 }
1365 \def\@maketitle{%
1366 \newpage
1367 \null
1368 \vskip 2em%
1369 \if@titlecentered

```



```

1370 \begin{center}%
1371 \let \footnote \thanks
1372 {\LARGE \TitleFont \@title \par}%
1373 \vskip 1.5em%
1374 {\large \TitleFont
1375 \lineskip .5em%
1376 \begin{tabular}[t]{c}%
1377 \author
1378 \end{tabular}\par}%
1379 \vskip 1em%
1380 {\large \TitleFont \@date}%
1381 \end{center}%
1382 \else
1383 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
1384 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1385 \def\and{%% \begin{tabular} has already started
1386 \end{tabular}\hskip 1em plus .17fil
1387 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tab
1388 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\author\end{tabular}
1389 \vskip 1em {\large \TitleFont \@date}
1390 \fi
1391 \par
1392 \vskip 1.5em}
1393 \fi

```

13 File arydshln-xetex-bidi.def

```

1394 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln packag
1395 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \ifRTLtab\egroup\endR\egroup\fi\egro
1396 \def\endtabular{\endarray $\ifRTLtab\endR\fi\egroup}
1397 \expandafter\let\csname endtabular*\endcsname\endtabular
1398 \let\adl@array\@array
1399 \def\@array{\adl@everyvbox\everyvbox
1400 \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1401 \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1402 \let\adl@noalign\noalign
1403 \adl@array}
1404 \ifadl@usingarypkg
1405 \def\@testpach{\@chclass
1406 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1407 \ifnum \@lastchclass=7 5 \else
1408 \ifnum \@lastchclass=8 \tw@ \else
1409 \ifnum \@lastchclass=9 \thr@@
1410 \else \z@
1411 \ifnum \@lastchclass = 10 \else
1412 \edef\@nextchar{\expandafter\string\@nextchar}%
1413 \@chnum
1414 \if \@nextchar c\z@ \else
1415 \if \@nextchar \ifRTLtab r\else l\fi\@ne \else
1416 \if \@nextchar \ifRTLtab l\else r\fi\tw@ \else
1417 \z@ \@chclass
1418 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1419 \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1420 \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else

```



```

1421 \if \@nextchar !6 \else
1422 \if \@nextchar @7 \else
1423 \if \@nextchar <8 \else
1424 \if \@nextchar >9 \else
1425 10
1426 \@chnum
1427 \if \@nextchar m\thr@@\else
1428 \if \@nextchar p4 \else
1429 \if \@nextchar b5 \else
1430 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1431 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1432
1433 \def\@classz{\@classx
1434 \@tempcnta \count@
1435 \prepnext@tok
1436 \@addtopreamble{\ifcase \@chnum
1437 \hfil
1438 \adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
1439 \hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
1440 \hfil\hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\or
1441 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1442 \adl@endmbox\or
1443 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1444 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1445 \fi}\prepnext@tok}
1446 \def\adl@classstart{4}
1447 \def\adl@class@iiiorvii{7}
1448
1449 \else
1450 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1451 \ifnum \@lastchclass=\thr@@ 5\relax \else
1452 \z@ \if #1c\@chnum \z@ \else
1453 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1454 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1455 \@chclass
1456 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1457 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1458 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1459 \if #1@ \tw@ \else
1460 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1461 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1462
1463 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1464 \or \or \@addamp \or
1465 \@acolampacol \or \@firstampfalse \@acol \fi
1466 \edef\@preamble{\@preamble
1467 \ifcase \@chnum
1468 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1469 \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1470 \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1471 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1472 \or \or \@addamp \or
1473 \@acolampacol \or \@firstampfalse \@acol \fi
1474 \edef\@preamble{\@preamble

```



```

1475 \ifcase \@chnum
1476 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1477 \or \adl@putlrc{\@sharp\unskip}\hfil
1478 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1479 \def\adl@class@start{6}
1480 \def\adl@class@iiiorvii{3}
1481 \fi
1482 \@ifpackageloaded{colortbl}{%
1483 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1484 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1485 \let\@endpbox\adl@org@endpbox}
1486 \let\adl@CT@setup\CT@setup
1487 \def\CT@setup{\adl@CT@setup
1488 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1489 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1490 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1491 \let\adl@act@CT@setup\CT@setup
1492 \def\@classz{\@classx
1493 \@tempcnta\count@ \prepnext@tok
1494 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1495 \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1496 \expandafter\adl@extract@drsc
1497 \the\toks\@tempcnta\doublerulesepcolor!\@nil
1498 \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1499 \@addtopreamble{\if@RTL\beginL\fi%
1500 \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1501 \ifcase \@chnum
1502 \hskip\stretch{.5}\kern\z@
1503 \dollarbegin
1504 \insert@column
1505 \dollarend\hskip\stretch{.5}%
1506 \or \dollarbegin \insert@column \dollarend \hfill
1507 \or \hfill \kern\z@ \dollarbegin \insert@column \dollarend
1508 \or $\vcenter
1509 \@startpbox{\@nextchar}\insert@column \@endpbox $%
1510 \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1511 \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1512 \fi
1513 \if@RTL\endR\fi\egroup\egroup
1514 \begingroup
1515 \CT@setup
1516 \CT@column@color
1517 \CT@row@color
1518 \CT@cell@color
1519 \CT@do@color
1520 \endgroup
1521 \@tempdima\ht\z@
1522 \advance\@tempdima\minrowclearance
1523 \vrule\@height\@tempdima\@width\z@
1524 \unhbox\z@\if@RTL\endL\fi}%
1525 \prepnext@tok}
1526 \let\adl@act@classz\@classz
1527 \let\adl@org@classz\@classz
1528 }-{}

```



14 File beamer-xetex-bidi.def

```
1529 \ProvidesFile{beamer-xetex-bidi.def}[2022/06/07 v0.3 bidi adaptations for beamer class for
1530 \AtBeginDocument{%
1531   \if@RTLmain
1532     \raggedleft
1533   \else
1534     \raggedright
1535   \fi
1536 }
1537
1538 \renewcommand*{\bidi@beamer@ragged}{%
1539   \if@RTL
1540     \raggedleft
1541   \else
1542     \raggedright
1543   \fi
1544 }
1545
1546
```

15 File beamerbaseauxtemplates-xetex-bidi.def

```
1547 \ProvidesFile{beamerbaseauxtemplates-xetex-bidi.def}[2023/08/02 v0.3 bidi adaptations for b
1548 \bidi@csundef{beamer@@tmpop@subsection in toc@sections numbered}
1549
1550 \bidi@csundef{beamer@@tmpop@subsubsection in toc@sections numbered}
1551
1552 \bidi@csundef{beamer@@tmpop@section in toc@subsections numbered}
1553
1554 \bidi@csundef{beamer@@tmpop@subsection in toc@subsections numbered}
1555
1556 \bidi@csundef{beamer@@tmpop@subsubsection in toc@subsections numbered}
1557
1558 \defbeamertemplate{subsection in toc}{sections numbered}
1559 {\leavevmode\bidi@beamer@leftskip=2.5em\inserttocsubsection\par}
1560
1561 \defbeamertemplate{subsubsection in toc}{sections numbered}
1562 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3.5em\usebeam
1563   \inserttocsubsubsection\par}
1564
1565 \defbeamertemplate{section in toc}{subsections numbered}
1566 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsection\par}
1567
1568 \defbeamertemplate{subsection in toc}{subsections numbered}
1569 {\leavevmode\bidi@beamer@leftskip=2em\rlap{\hskip-2em\inserttocsectionnumber.\inserttocsubs
1570
1571 \defbeamertemplate{subsubsection in toc}{subsections numbered}
1572 {\leavevmode\normalsize\usebeamerfont{subsection in
1573   toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}%
1574   \inserttocsubsubsection\par}
1575
1576 \bidi@csundef{beamer@@tmpop@section in toc@circle}
1577
```



```

1578 \bidi@csundef{beamer@@tmpop@subsection in toc@circle}
1579
1580 \bidi@csundef{beamer@@tmpop@subsubsection in toc@circle}
1581
1582 \defbeamertemplate{section in toc}{circle}
1583 {\leavevmode\bidi@beamer@leftskip=2ex%
1584   \llap{%
1585     \usebeamerfont*{section number projected}%
1586     \usebeamercolor{section number projected}%
1587     \begin{pgfpicture}{-1ex}{0ex}{1ex}{2ex}
1588       \color{bg}
1589       \pgfpathcircle{\pgfpoint{0pt}{.75ex}}{1.2ex}
1590       \pgfusepath{fill}
1591       \pgftext[base]{\color{fg}\inserttocsectionnumber}
1592     \end{pgfpicture}\kern1.25ex%
1593   }%
1594   \inserttocsection\par}
1595
1596 \defbeamertemplate{subsection in toc}{circle}
1597 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsubsection\par}
1598
1599 \defbeamertemplate{subsubsection in toc}{circle}
1600 {\leavevmode\normalsize\usebeamerfont{subsection in
1601   toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}%
1602   \inserttocsubsubsection\par}
1603
1604 \bidi@csundef{beamer@@tmpop@section in toc@square}
1605
1606 \bidi@csundef{beamer@@tmpop@subsection in toc@square}
1607
1608 \bidi@csundef{beamer@@tmpop@subsubsection in toc@square}
1609
1610 \bidi@csundef{beamer@@tmpop@enumerate item@square}
1611
1612 \bidi@csundef{beamer@@tmpop@enumerate subitem@square}
1613
1614 \bidi@csundef{beamer@@tmpop@enumerate subsubitem@square}
1615
1616 \bidi@csundef{beamer@@tmpop@enumerate mini template@square}
1617
1618 \defbeamertemplate{section in toc}{square}
1619 {\leavevmode\bidi@beamer@leftskip=3ex%
1620   \llap{%
1621     \usebeamerfont*{section number projected}%
1622     \usebeamercolor[bg]{section number projected}%
1623     \if@RTL
1624     \else
1625       \vrule width2.25ex height1.85ex depth.4ex%
1626       \hskip-2.25ex%
1627     \fi
1628     \hbox to2.25ex{{\hfil\color{fg}\inserttocsectionnumber\hfil}}%
1629     \if@RTL
1630     \hskip-2.25ex%
1631     \vrule width2.25ex height1.85ex depth.4ex%

```



```

1632 \fi
1633 }\kern1.25ex}%
1634 \inserttocsection\par}
1635
1636 \defbeamertemplate{subsection in toc}{square}
1637 {\leavevmode\ bidi@beamer@leftskip=5ex\llap{%
1638 \usebeamercolor[bg]{subsection number projected}%
1639 \vrule width1ex height1ex\kern1ex}}\inserttocsubsection\par}
1640
1641 \defbeamertemplate{subsubsection in toc}{square}
1642 {\leavevmode\normalsize\usebeamerfont{subsection in
1643 toc}\ bidi@beamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1644 \llap{%
1645 \usebeamercolor[bg]{subsubsection number projected}%
1646 \vrule width0.75ex height0.75ex\kern1ex}}\inserttocsubsubsection\par}
1647
1648 \defbeamertemplate{enumerate item}{square}
1649 {
1650 \hbox{%
1651 \usebeamerfont*{item projected}%
1652 \usebeamercolor[bg]{item projected}%
1653 \if@RTL
1654 \else
1655 \vrule width2.25ex height1.85ex depth.4ex%
1656 \hskip-2.25ex%
1657 \fi
1658 \hbox to2.25ex{%
1659 \hfil%
1660 \color{fg}\insertenumlabel%
1661 \hfil}}%
1662 \if@RTL
1663 \hskip-2.25ex%
1664 \vrule width2.25ex height1.85ex depth.4ex%
1665 \fi
1666 }}%
1667 }
1668 [action]
1669 {\setbeamerfont{item projected}{size=\scriptsize}}
1670
1671 \defbeamertemplate{enumerate subitem}{square}
1672 {
1673 \hbox{%
1674 \usebeamerfont*{subitem projected}%
1675 \usebeamercolor[bg]{subitem projected}%
1676 \if@RTL
1677 \else
1678 \vrule width2.25ex height1.85ex depth.4ex%
1679 \hskip-2.25ex%
1680 \fi
1681 \hbox to2.25ex{%
1682 \hfil%
1683 \color{fg}\insertsubenumlabel%
1684 \hfil}}%
1685 \if@RTL

```



```

1686         \hskip-2.25ex%
1687         \vrule width2.25ex height1.85ex depth.4ex%
1688     \fi
1689 }}%
1690 }
1691
1692 \defbeamertemplate{enumerate subsubitem}{square}
1693 {
1694     \hbox{%
1695         \usebeamerfont*{subitem projected}%
1696         \usebeamercolor[bg]{subsubitem projected}%
1697         \if@RTL
1698         \else
1699             \vrule width2.25ex height1.85ex depth.4ex%
1700             \hskip-2.25ex%
1701         \fi
1702         \hbox to2.25ex{%
1703             \hfil%
1704             \color{fg}\insertsubsubenumlabel%
1705             \hfil}%
1706         \if@RTL
1707             \hskip-2.25ex%
1708             \vrule width2.25ex height1.85ex depth.4ex%
1709         \fi
1710     }}%
1711 }
1712
1713 \defbeamertemplate{enumerate mini template}{square}
1714 {
1715     \hbox{%
1716         \usebeamerfont*{\beameritemnestingprefix item projected}%
1717         \usebeamercolor[bg]{\beameritemnestingprefix item projected}%
1718         \if@RTL
1719         \else
1720             \vrule width2.25ex height1.85ex depth.4ex%
1721             \hskip-2.25ex%
1722         \fi
1723         \hbox to2.25ex{%
1724             \hfil%
1725             \color{fg}\insertenumlabel%
1726             \hfil}%
1727         \if@RTL
1728             \hskip-2.25ex%
1729             \vrule width2.25ex height1.85ex depth.4ex%
1730         \fi
1731     }}%
1732 }
1733
1734 \bidi@csundef{beamer@@tmpop@section in toc@ball unnumbered}
1735
1736 \bidi@csundef{beamer@@tmpop@subsection in toc@ball unnumbered}
1737
1738 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball unnumbered}
1739

```



```

1740 \defbeamertemplate{section in toc}{ball unnumbered}
1741 {\leavevmode\bidibeamer@leftskip=2.25ex%
1742   \llap{%
1743     \raise0.1ex\beamer@usesphere{section number projected}{bigsphere}\kern1.25ex}%
1744   \inserttocsection\par}
1745
1746 \defbeamertemplate{subsection in toc}{ball unnumbered}
1747 {\leavevmode\bidibeamer@leftskip=5.1ex\llap{%
1748   \raise0.2ex\beamer@usesphere{subsection number projected}{smallsphere}\kern1ex}\insertt
1749
1750 \defbeamertemplate{subsubsection in toc}{ball unnumbered}
1751 {\leavevmode\normalsize\usebeamerfont{subsection in
1752   toc}\bidibeamer@leftskip=8.2ex\usebeamerfont{subsubsection in toc}%
1753   \llap{%
1754     \beamer@usesphere{subsubsection number projected}{smallsphere}\kern0.75ex}\inserttocsub
1755
1756 \bidi@csundef{beamer@@tmpop@section in toc@ball}
1757
1758 \bidi@csundef{beamer@@tmpop@subsection in toc@ball}
1759
1760 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball}
1761
1762 \defbeamertemplate{section in toc}{ball}
1763 {\leavevmode\bidibeamer@leftskip=2.75ex%
1764   \llap{%
1765     \normalsize%
1766     \begin{pgfpicture}{-1ex}{-0.7ex}{1ex}{1ex}
1767       \pgftext{\beamer@usesphere{section number projected}{tocsphere}}
1768       \pgftext{%
1769         \usebeamerfont*{section number projected}%
1770         \usebeamerfont{section number projected}%
1771         \color{fg!90!bg}%
1772         \inserttocsectionnumber}
1773     \end{pgfpicture}%
1774     \kern1.25ex}%
1775   \inserttocsection\par
1776 }
1777 [action]
1778 {\setbeamerfont{section number projected}{size=\scriptsize}}
1779
1780 \defbeamertemplate{subsection in toc}{ball}
1781 {\leavevmode\bidibeamer@leftskip=5ex%
1782   \llap{\raise0.1ex\beamer@usesphere{subsection number projected}{bigsphere}\kern1ex}%
1783   \inserttocsubsection\par%
1784 }
1785
1786 \defbeamertemplate{subsubsection in toc}{ball}
1787 {\leavevmode\normalsize\usebeamerfont{subsection in
1788   toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1789   \llap{\beamer@usesphere{subsubsection number projected}{bigsphere}\kern0.75ex}%
1790   \inserttocsubsubsection\par%
1791 }
1792
1793 \bidi@csundef{beamer@@tmpop@block begin@rounded}

```



```

1794
1795 \bidi@csundef{beamer@@tmpop@block alerted begin@rounded}
1796
1797 \bidi@csundef{beamer@@tmpop@block example begin@rounded}
1798
1799 \defbeamertemplate{block begin}{rounded}[1][shadow=false]
1800 {%
1801   \par\vskip\medskipamount%
1802   \begin{beamerboxesrounded}[upper=block title,lower=block body,#1]%
1803     {\raggedright\usebeamerfont*{block title}\insertblocktitle}%
1804     \bidi@beamer@ragged%
1805     \usebeamerfont{block body}%
1806 }
1807
1808 \defbeamertemplate{block alerted begin}{rounded}[1][shadow=false]
1809 {%
1810   \par\vskip\medskipamount%
1811   \begin{beamerboxesrounded}[upper=block title alerted,lower=block body alerted,#1]%
1812     {\raggedright\usebeamerfont*{block title alerted}\insertblocktitle}%
1813     \bidi@beamer@ragged%
1814     \usebeamerfont{block body alerted}%
1815 }%
1816
1817 \defbeamertemplate{block example begin}{rounded}[1][shadow=false]
1818 {%
1819   \par\vskip\medskipamount%
1820   \begin{beamerboxesrounded}[upper=block title example,lower=block body example,#1]
1821     {\raggedright\usebeamerfont*{block title example}\insertblocktitle}%
1822     \bidi@beamer@ragged%
1823     \usebeamerfont{block body example}%
1824 }%
1825
1826 \bidi@csundef{beamer@@tmpop@caption@caption name own line}
1827
1828 \defbeamertemplate{caption}{caption name own line}
1829 {%
1830   \begin{minipage}{\textwidth}
1831     \leavevmode
1832     \bidi@beamer@ragged
1833     {%
1834       \usebeamercolor[fg]{caption name}%
1835       \usebeamerfont*{caption name}%
1836       \insertcaptionname%
1837     }\\
1838     \insertcaption
1839   \end{minipage}
1840 }
1841

```

16 File beamerbaseboxes-xetex-bidi.def

```

1842 \ProvidesFile{beamerbaseboxes-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for beamerba
1843 \renewcommand\beamerboxesrounded[2] [] {%
1844   \global\let\beamer@firstlineitemizeunskip=\relax%

```



```

1845 \vbox\bgroup%
1846 \setkeys{beamerboxes}{upper=block title,lower=block body,width=\textwidth,shadow=false}%
1847 \setkeys{beamerboxes}{#1}%
1848 {%
1849 \usebeamercolor{\bmb@lower}%
1850 \globalcolorstrue%
1851 \colorlet{lower.bg}{bg}%
1852 }%
1853 {%
1854 \usebeamercolor{\bmb@upper}%
1855 \globalcolorstrue%
1856 \colorlet{upper.bg}{bg}%
1857 }%
1858 %
1859 % Typeset head
1860 %
1861 \vskip4bp
1862 \setbox\bmb@box=\hbox{%
1863 \begin{minipage}[b]{\bmb@width}%
1864 \usebeamercolor[fg]{\bmb@upper}%
1865 #2%
1866 \end{minipage}}%
1867 \ifdim\wd\bmb@box=0pt%
1868 \setbox\bmb@box=\hbox{}%
1869 \ht\bmb@box=1.5pt%
1870 \bmb@prevheight=-4.5pt%
1871 \else%
1872 \wd\bmb@box=\bmb@width%
1873 \bmb@temp=\dp\bmb@box%
1874 \ifdim\bmb@temp<1.5pt%
1875 \bmb@temp=1.5pt%
1876 \fi%
1877 \setbox\bmb@box=\hbox{\raise\bmb@temp\hbox{\box\bmb@box}}%
1878 \dp\bmb@box=0pt%
1879 \bmb@prevheight=\ht\bmb@box%
1880 \fi%
1881 \bmb@temp=\bmb@width%
1882 \bmb@dima=\bmb@temp\advance\bmb@dima by2.2bp%
1883 \bmb@dimb=\bmb@temp\advance\bmb@dimb by4bp%
1884 \hbox{%
1885 \begin{pgfpicture}{0bp}{+-\ht\bmb@box}{0bp}{+-\ht\bmb@box}
1886 \ifdim\wd\bmb@box=0pt%
1887 \color{lower.bg}%
1888 \else%
1889 \color{upper.bg}%
1890 \fi%
1891 \pgfpathmoveto{-4bp}{-1bp}
1892 \pgfpathqcurveto{-4bp}{1.2bp}{-2.2bp}{3bp}{0bp}{3bp}
1893 \pgfpathlineto{\pgfpoint{\bmb@temp}{3bp}}
1894 \pgfpathcurveto%
1895 {\pgfpoint{\bmb@dima}{3bp}}%
1896 {\pgfpoint{\bmb@dimb}{1.2bp}}%
1897 {\pgfpoint{\bmb@dimb}{-1bp}}%
1898 \bmb@dima=-\ht\bmb@box%

```



```

1899     \advance\bmb@dima by-2pt%
1900     \pgfpathlineto{\pgfpoint{\bmb@dimb}{\bmb@dima}}
1901     \pgfpathlineto{\pgfpoint{-4bp}{\bmb@dima}}
1902     \pgfusepath{fill}
1903     \end{pgfpicture}%
1904     \copy\bmb@box%
1905 }%
1906 \nointerlineskip%
1907 \vskip-1pt%
1908 \ifdim\wd\bmb@box=0pt%
1909 \else%
1910 \hbox{%
1911     \begin{pgfpicture}{0pt}{0pt}{\bmb@width}{6pt}
1912         \bmb@dima=\bmb@width%
1913         \advance\bmb@dima by8bp%
1914         \pgfpathrectangle{\pgfpoint{-4bp}{-1bp}}{\pgfpoint{\bmb@dima}{8bp}}
1915         \pgfusepath{clip}
1916         {\pgftransformshift{\pgfpoint{-4bp}{0bp}}\pgftext[left,base]{\pgfuses shading\bmb@trans
1917     \end{pgfpicture}%
1918 }%
1919 \nointerlineskip%
1920 \vskip-0.5pt%
1921 \fi%
1922 \setbox\bmb@colorbox=\hbox{{\pgfpicturetrue\pgfsetcolor{lower.bg}}}%
1923 \setbox\bmb@box=\hbox\bgroup\begin{minipage}[b]{\bmb@width}%
1924     \vskip2pt%
1925     \usebeamercolor[fg]{\bmb@lower}%
1926     \colorlet{beamerstructure}{upper.bg}%
1927     \colorlet{structure}{upper.bg}%
1928     %\color{.}%
1929     \@bidi@list@minipage@parboxfalse
1930 }
1931
1932 \bidi@patchcmd{\endbeamerboxesrounded}{\begingroup}{%
1933     \begingroup
1934     \@RTLfalse
1935 }{}{}
1936
1937

```

17 File beamerbasecolor-xetex-bidi.def

```

1938 \ProvidesFile{beamerbasecolor-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for beamerba
1939 \renewenvironment{beamercolorbox}[2][{}]{%
1940     \def\beamer@vmode{\leavevmode}%
1941     \setkeys{beamercolbox}{wd=\textwidth,ht={},dp={},%
1942         leftskip=0pt,rightskip=0pt plus1fil,%
1943         sep=0pt,colsep=0pt,colsep*=0pt,%
1944         shadow=false,rounded=false,ignorebg=false}%
1945     \if@RTL
1946         \setkeys{beamercolbox}{rightskip=0pt,leftskip=0pt plus1fil}%
1947     \else
1948         \setkeys{beamercolbox}{leftskip=0pt,rightskip=0pt plus1fil}%
1949     \fi

```



```

1950 \setkeys{beamercolbox}{#1}%
1951 \ifbeamercoloreempty[bg]{#2}{\@tempwafalse}{\@tempwattrue}%
1952 \ifbeamer@colbox@ignorebg\@tempwafalse\fi%
1953 \def\beamer@colbox@color{#2}%
1954 \setbox\beamer@tempbox=\hbox\bgroup\color@begingroup
1955 \ifbeamer@colbox@ignorebg%
1956 \colorlet{beamer@temp@color}{bg}%
1957 \usebeamercolor[fg]{#2}%
1958 \colorlet{bg}{beamer@temp@color}%
1959 \else%
1960 \usebeamercolor[fg]{#2}%
1961 \fi%
1962 \beginL
1963 \vbox\bgroup%
1964 \hsize=\beamer@colbox@wd%
1965 \@arrayparboxrestore%
1966 \leftskip=\beamer@colbox@ls%
1967 \ifdim\beamer@colbox@sep>\z@\advance\leftskip\beamer@colbox@sep\fi%
1968 \rightskip=\beamer@colbox@rs%
1969 \ifdim\beamer@colbox@sep>\z@\advance\rightskip\beamer@colbox@sep\fi%
1970 \if@tempswa\ifdim\beamer@colbox@colsep>\z@%
1971 \advance\leftskip by\beamer@colbox@colsep%
1972 \advance\rightskip by\beamer@colbox@colsep%
1973 \vskip\beamer@colbox@colsep%
1974 \fi%
1975 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1976 \fi%
1977 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1978 \beamer@vmode\ignorespaces{%
1979 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1980 \if@tempswa
1981 \ifdim\beamer@colbox@colsep>\z@\vskip\beamer@colbox@colsep\fi%
1982 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1983 \fi%
1984 \egroup\endL\color@endgroup\egroup%
1985 \wd\beamer@tempbox=\beamer@colbox@wd%
1986 \ifx\beamer@colbox@ht\@empty\else\ht\beamer@tempbox=\beamer@colbox@ht\fi%
1987 \ifx\beamer@colbox@dp\@empty\else\dp\beamer@tempbox=\beamer@colbox@dp\fi%
1988 \ifbeamer@colbox@rounded%
1989 \if@tempswa%
1990 \begin{beamerboxesrounded}[%
1991 shadow=\beamer@colbox@shadow,%
1992 lower=\beamer@colbox@color,%
1993 upper=normal text,%
1994 width=\beamer@colbox@wd]{}%
1995 \box\beamer@tempbox%
1996 \end{beamerboxesrounded}%
1997 \else%
1998 \ifdim\wd\beamer@tempbox>\textwidth%
1999 \setbox\beamer@tempbox=\hbox to\textwidth{\hss\box\beamer@tempbox\hss}%
2000 \fi%
2001 \box\beamer@tempbox%
2002 \fi%
2003 \else%

```



```

2004 \if@tempswa\setbox\beamer@tempbox=\hbox{%
2005 \usebeamercolor{\beamer@colbox@color}%
2006 \hskip-\beamer@colbox@colseps%
2007 \fboxsep=\z@\colorbox{bg}{%
2008 \hskip\beamer@colbox@colseps%
2009 \box\beamer@tempbox%
2010 \hskip\beamer@colbox@colseps%
2011 }%
2012 \hskip-\beamer@colbox@colseps%
2013 }\fi%
2014 \ifdim\wd\beamer@tempbox>\textwidth%
2015 \setbox\beamer@tempbox=\hbox to\textwidth{\hskip0pt minus\beamer@leftmargin\relax\box\beamer@tempbox}%
2016 \fi%
2017 \box\beamer@tempbox%
2018 \fi%
2019 }
2020
2021

```

18 File beamerbasecompatibility-xetex-bidi.def

```

2022 \ProvidesFile{beamerbasecompatibility-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for
2023 \def\insertvrule#1#2{\hbox{{\color{#2}\hskip-\Gm@lmargin\vrule width \paperwidth height #1}}
2024
2025

```

19 File beamerbaseframecomponents-xetex-bidi.def

```

2026 \ProvidesFile{beamerbaseframecomponents-xetex-bidi.def}[2023/08/02 v0.6 bidi adaptations for
2027 \renewcommand{\setbeamersize}[1]{%
2028 \beamer@dogeometryfalse%
2029 \setkeys{beamer@margin}{#1}%
2030 \ifbeamer@dogeometry%
2031 % Reset left margin now
2032 \beamer@tempdim=\beamer@leftmargin%
2033 \advance\beamer@tempdim by\beamer@leftsidebar%
2034 \if@RTLmain
2035 \geometry{right=\the\beamer@tempdim}%
2036 \else
2037 \geometry{left=\the\beamer@tempdim}%
2038 \fi
2039 % Reset right margin now
2040 \beamer@tempdim=\beamer@rightmargin%
2041 \advance\beamer@tempdim by\beamer@rightsidebar%
2042 \if@RTLmain
2043 \geometry{left=\the\beamer@tempdim}%
2044 \else
2045 \geometry{right=\the\beamer@tempdim}%
2046 \fi
2047 \fi%
2048 }
2049
2050 \newcommand*{\bidi@beamer@Gm@lmargin}{%
2051 \if@RTLmain

```



```

2052 \Gm@rmargin
2053 \else
2054 \Gm@lmargin
2055 \fi
2056 }
2057
2058 \newcommand*{\bidi@beamer@Gm@rmargin}{%
2059 \if@RTLmain
2060 \Gm@lmargin
2061 \else
2062 \Gm@rmargin
2063 \fi
2064 }
2065
2066 \def\ps@navigation{
2067 \def\@oddhead{%
2068 \begingroup%
2069 \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransit
2070 \beamer@tempdim=\ht\beamer@tempbox%
2071 \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
2072 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2073 \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
2074 \beamer@tempdim=\ht\@tempboxa%
2075 \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
2076 \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
2077 \vbox{\hbox{\hskip-\bidi@beamer@Gm@lmargin\box\beamer@tempbox\box\@tempboxa}%
2078 \hbox{%
2079 {%
2080 \setbox\beamer@tempbox=\hbox{\hskip-\bidi@beamer@Gm@lmargin%
2081 \if@RTLmain
2082 {%
2083 \vbox to \sidebarheight{%
2084 \usebeamertemplate***{sidebar left}%
2085 \vfil%
2086 }}%
2087 \@ifpackageloaded{beamerinnerthemeinmargin}{%{%
2088 \hskip-\textwidth
2089 }%
2090 \fi
2091 {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2092 \usebeamercolor*{sidebar left}%
2093 \usebeamertemplate{sidebar canvas left}%
2094 \vss%
2095 }}%
2096 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2097 \box\beamer@tempbox}%
2098 \if@RTLmain
2099 \else
2100 {%
2101 \vbox to \sidebarheight{%
2102 \usebeamertemplate***{sidebar left}%
2103 \vfil%
2104 }}\fi}%
2105 \beamer@tempdim=\ht\beamer@tempbox%

```



```

2106 \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2107 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2108 \box\beamer@tempbox%
2109 }%
2110 {% print right sidebar first, since it should be overwritten by headline
2111 \setbox\beamer@tempbox=\hbox{\hskip\textwidth\hskip\beamer@rightmargin%
2112 \if@RTLmain
2113     {%
2114         \vbox to \sidebarheight{%
2115             \usebeamertemplate***{sidebar right}%
2116             \vfil%
2117         }}%
2118         \hskip-\textwidth
2119     \fi
2120     {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2121         \usebeamercolor*{sidebar right}%
2122         \usebeamertemplate{sidebar canvas right}%
2123         \vss%
2124     }}%
2125         \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2126         \box\beamer@tempbox}%
2127     \if@RTLmain
2128     \else
2129     {%
2130         \vbox to \sidebarheight{%
2131             \usebeamertemplate***{sidebar right}%
2132             \vfil%
2133         }}\fi}%
2134 \beamer@tempdim=\ht\beamer@tempbox%
2135 \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2136 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2137 \box\beamer@tempbox%
2138 }%
2139 \beamer@typesetheadorfoot{headline}%
2140 }%
2141 \hfil}%
2142 \endgroup}
2143 \def\@oddfoot{%
2144     \vbox{\offinterlineskip\hbox{\beamer@typesetheadorfoot{footline}}%
2145     \hfil}\hbox{}}\hfil
2146 }%
2147 \let\@evenhead\@oddhead
2148 \let\@evenfoot\@oddfoot}
2149
2150 \AtBeginDocument{%
2151     \pagestyle{navigation}%
2152 }
2153
2154 \def\beamer@typesetheadorfoot#1{% typeset the head or footline
2155     {\parskip0pt\offinterlineskip%
2156         \hbox{%
2157             \hskip-\bidi@beamer@Gm@lmargin%
2158             \hbox{%
2159                 \vbox{%

```



```

2160         \@tempdima=\textwidth%
2161         \textwidth=\paperwidth%
2162         \hsize=\textwidth%
2163         \def\{\,%
2164         \usebeamertemplate***{#1}%
2165     }}%
2166     \hskip-\bidi@beamer@Gm@rmargin%
2167 }%\hfil%
2168 }
2169
2170 \def\ps@empty{%
2171     \let\mkboth\@gobbletwo%
2172     \def\@oddhead{\beginingroup%
2173         \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransit
2174         \beamer@tempdim=\ht\beamer@tempbox%
2175         \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
2176         \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2177         \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
2178         \beamer@tempdim=\ht\@tempboxa%
2179         \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
2180         \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
2181         \vbox{\hbox{\hskip-\Gm@lmargin\raise\headheight\box\beamer@tempbox\raise\headheight\box
2182         \endgroup%
2183     }
2184     \def\@oddfoot{{\normalcolor\hfil%
2185         \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{navigation symbols}\hskip-\bidi@beam
2186         \ht\beamer@tempbox=0pt%
2187         \dp\beamer@tempbox=0pt%
2188         \box\beamer@tempbox}}%
2189     \let\@evenhead\@oddhead\let\@evenfoot\@oddfoot}
2190
2191 \renewcommand<>\beamer@columncom[2][\beamer@colmode]{%
2192     \beamer@colclose%
2193     \def\beamer@colclose{\end{minipage}\hfill\end{actionenv}\ignorespaces}%
2194 \begin{actionenv}#3%
2195     \setkeys{beamer@col}{#1}%
2196     \begin{minipage}[\beamer@colalign]{#2}%
2197         \leavevmode\bidi@beamer@ragged\beamer@colheadskip\ignorespaces}
2198
2199 \renewenvironment<>{columns}[1][\,%
2200     \begin{actionenv}#2%
2201     \ifbeamer@onlytextwidth
2202         \def\beamer@colentrycode{\hbox to\textwidth\bgroup\ignorespaces}%
2203         \def\beamer@colexitcode{\unskip\egroup}
2204     \else%
2205         \def\beamer@colentrycode{%
2206             \hbox to\textwidth\bgroup%
2207             \leavevmode%
2208             \hskip-\beamer@leftmargin%
2209             \nobreak%
2210             \beamer@tempdim=\textwidth%
2211             \advance\beamer@tempdim by\beamer@leftmargin%
2212             \advance\beamer@tempdim by\beamer@rightmargin%
2213             \hbox to\beamer@tempdim\bgroup%

```



```

2214     \hbox{}\hfill\ignorespaces}%
2215 \def\beamer@colexitcode{\egroup%
2216     \nobreak%
2217     \hskip-\beamer@rightmargin\egroup}%
2218 \fi%
2219 \ifbeamer@centered\setkeys{beamer@col}{c}\else\setkeys{beamer@col}{t}\fi%
2220 \setkeys{beamer@col}{#1}%
2221 \par%
2222 \leavevmode
2223 \beamer@colentrycode%
2224 \def\beamer@colclose{}\ignorespaces}%
2225 {\beamer@colclose\def\beamer@colclose{}\beamer@colexitcode\end{actionenv}}%
2226
2227
2228 \def\@makeRTLfnstext#1{%
2229     \def\insertfootnotetext{#1}%
2230     \def\insertfootnotemark{\@makefnmark}%
2231     \usebeamertemplate***{RTLfootnote}}
2232
2233 \def\@makeLTRfnstext#1{%
2234     \def\insertfootnotetext{#1}%
2235     \def\insertfootnotemark{\@makefnmark}%
2236     \usebeamertemplate***{LTRfootnote}}
2237
2238 \renewcommand<>\beamer@framefootnotetext[1]{%
2239     \global\setbox\beamer@footins\vbox{%
2240         \if@RTL@footnote@RTLtrue\else@RTLfalse\fi%
2241         \hsize\framewidth
2242         \textwidth\hsize
2243         \columnwidth\hsize
2244         \unvbox\beamer@footins
2245         \reset@font
2246         \bidi@footnotetext@font
2247         \@parboxrestore
2248         \protected@edef\@currentlabel
2249             {\csname p@footnote\endcsname\@thefnmark}%
2250         \color@begingroup
2251             \uncover#2{\@makefnstext{%
2252                 \rule\z@{footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2253             \color@endgroup}}
2254
2255 \renewcommand<>\beamer@frameRTLfootnotetext[1]{%
2256     \global\setbox\beamer@footins\vbox{%
2257         @RTLtrue
2258         \hsize\framewidth
2259         \textwidth\hsize
2260         \columnwidth\hsize
2261         \unvbox\beamer@footins
2262         \reset@font
2263         \bidi@RTLfootnotetext@font
2264         \@parboxrestore
2265         \protected@edef\@currentlabel
2266             {\csname p@footnote\endcsname\@thefnmark}%
2267         \color@begingroup

```



```

2268     \uncover#2{\@makeRTLfntext{%
2269         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2270     \color@endgroup}}
2271
2272 \renewcommand<>\beamer@frameLTRfootnotetext[1]{%
2273     \global\setbox\beamer@footins\vbox{%
2274         \@RTLfalse
2275         \hsize\framewidth
2276         \textwidth\hsize
2277         \columnwidth\hsize
2278         \unvbox\beamer@footins
2279         \reset@font
2280         \bidi@LTRfootnotetext@font
2281         \@parboxrestore
2282         \protected@edef\@currentlabel
2283             {\csname p@footnote\endcsname\@thefnmark}%
2284         \color@begingroup
2285         \uncover#2{\@makeLTRfntext{%
2286             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2287         \color@endgroup}}
2288
2289 \renewcommand<>\@mpfootnotetext[1]{%
2290     \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnote
2291         \global\setbox\@mpfootins\vbox{%
2292             \unvbox\@mpfootins
2293             \ifRTL@footnote\RTLtrue\else\RTLfalse\fi
2294             \reset@font
2295             \bidi@footnotetext@font
2296             \hsize\columnwidth
2297             \@parboxrestore
2298             \protected@edef\@currentlabel
2299                 {\csname p@mpfootnote\endcsname\@thefnmark}%
2300             \color@begingroup
2301             \uncover#2{\@makefntext{%
2302                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2303             \color@endgroup}}
2304
2305 \renewcommand<>\@mpRTLfootnotetext[1]{%
2306     \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
2307         \global\setbox\@mpfootins\vbox{%
2308             \unvbox\@mpfootins
2309             \RTLtrue
2310             \reset@font
2311             \bidi@RTLfootnotetext@font
2312             \hsize\columnwidth
2313             \@parboxrestore
2314             \protected@edef\@currentlabel
2315                 {\csname p@mpfootnote\endcsname\@thefnmark}%
2316             \color@begingroup
2317             \uncover#2{\@makeRTLfntext{%
2318                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2319             \color@endgroup}}
2320
2321 \renewcommand<>\@mpLTRfootnotetext[1]{%

```



```

2322 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidimpfootnoterule\left@footno
2323 \global\setbox\@mpfootins\vbox{%
2324 \unvbox\@mpfootins
2325 \@RTLfalse
2326 \reset@font
2327 \bidi@LTRfootnotetext@font
2328 \hsize\columnwidth
2329 \@parboxrestore
2330 \protected@edef\@currentlabel
2331 {\csname p@mpfootnote\endcsname\@thefnmark}%
2332 \color@begingroup
2333 \uncover#2{\@makeLTRfntext{%
2334 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2335 \color@endgroup}}
2336
2337 \let\@footnotetext=\beamer@framefootnotetext
2338 \let\@RTLfootnotetext=\beamer@frameRTLfootnotetext
2339 \let\@LTRfootnotetext=\beamer@frameLTRfootnotetext
2340
2341 \footdir@temp\footdir@ORG@bidi@beamer@footnotetext\@footnotetext{\bidi@footdir@footnote}%
2342 \footdir@temp\footdir@ORG@bidi@beamer@RTLfootnotetext\@RTLfootnotetext{R}%
2343 \footdir@temp\footdir@ORG@bidi@beamer@LTRfootnotetext\@LTRfootnotetext{L}%
2344
2345 \renewcommand<>{\footnote}[1][ ]{%
2346 \let\beamer@footnotetext=\@footnotetext%
2347 \let\beamer@mpfn=\@mpfn%
2348 \let\beamer@thempfn=\thempfn%
2349 \let\beamer@kvorig=KV@errx%
2350 \let\beamer@xkvorig=XKV@err
2351 \def\beamer@footarg{}%
2352 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2353 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2354 \setkeys{beamerfootnote}{#1}%
2355 \let\KV@errx=\beamer@kvorig%
2356 \let\XKV@errx=\beamer@xkvorig%
2357 \ifx\beamer@footarg\@empty%
2358 \def\beamer@next{\stepcounter\beamer@mpfn
2359 \protected@xdef\@thefnmark{\beamer@thempfn}%
2360 \@footnotemark\beamer@footnotetext#2}%
2361 \else%
2362 \def\beamer@next{%
2363 \begingroup
2364 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2365 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2366 \endgroup
2367 \@footnotemark\beamer@footnotetext#2}%
2368 \fi%
2369 \beamer@next}
2370
2371 \renewcommand<>{\RTLfootnote}[1][ ]{%
2372 \let\beamer@RTLfootnotetext=\@RTLfootnotetext%
2373 \let\beamer@mpfn=\@mpfn%
2374 \let\beamer@thempfn=\thempfn%
2375 \let\beamer@kvorig=KV@errx%

```



```

2376 \let\beamer@xkvorig=\XKV@err
2377 \def\beamer@footarg{}%
2378 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2379 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2380 \setkeys{beamerfootnote}{#1}%
2381 \let\KV@errx=\beamer@kvorig%
2382 \let\XKV@errx=\beamer@xkvorig
2383 \ifx\beamer@footarg\@empty%
2384   \def\beamer@next{\stepcounter\beamer@mpfn
2385     \protected@xdef\@thefnmark{\beamer@thempfn}%
2386     \@footnotemark\beamer@RTLfootnotetext#2}%
2387 \else%
2388   \def\beamer@next{%
2389     \begingroup
2390       \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2391       \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2392     \endgroup
2393     \@footnotemark\beamer@RTLfootnotetext#2}%
2394 \fi%
2395 \beamer@next}
2396
2397 \renewcommand<>{\LTRfootnote}[1][{}]{%
2398   \let\beamer@LTRfootnotetext=\@LTRfootnotetext%
2399   \let\beamer@mpfn=\@mpfn%
2400   \let\beamer@thempfn=\@thempfn%
2401   \let\beamer@kvorig=\KV@errx%
2402   \let\beamer@xkvorig=\XKV@err
2403   \def\beamer@footarg{}%
2404   \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2405   \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2406   \setkeys{beamerfootnote}{#1}%
2407   \let\KV@errx=\beamer@kvorig%
2408   \let\XKV@errx=\beamer@xkvorig
2409   \ifx\beamer@footarg\@empty%
2410     \def\beamer@next{\stepcounter\beamer@mpfn
2411       \protected@xdef\@thefnmark{\beamer@thempfn}%
2412       \@footnotemark\beamer@LTRfootnotetext#2}%
2413   \else%
2414     \def\beamer@next{%
2415       \begingroup
2416         \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2417         \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2418       \endgroup
2419       \@footnotemark\beamer@LTRfootnotetext#2}%
2420   \fi%
2421   \beamer@next}
2422
2423

```

20 File beamerbaseframesize-xetex-bidi.def

```

2424 \ProvidesFile{beamerbaseframesize-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beam
2425 \def\beamer@framezoom<#1><#2>[#3](#4,#5)(#6,#7){%
2426   \par\nointerlineskip%

```



```

2427 \global\beamer@slidehaszoomtrue%
2428 \advance\beamer@zoomcount by1\relax%
2429 \def\beamer@zoomborderwidth{0}%
2430 \edef\beamer@labelzoomed{\beamer@labelzoomed@the\beamer@zoomframecount @the\beamer@zoomcount}%
2431 \setkeys{beamerzoom}{#3}%
2432 \only<#1>{%
2433   {\hypersetup{pdfhighlight={/P},pdfborder={0 0 \beamer@zoomborderwidth}}}%
2434   \global\setbox\@tempboxa=\vbox{\hyperlink{\beamer@labelzoomed}{%
2435     \expandafter\ifx\csname XeTeXrevision\endcsname\relax
2436       \vbox to #7{%
2437         \hbox to#6{\hfil}%
2438         \vfil%
2439       }%
2440     \else%
2441       \begingroup%
2442       \normalsize%
2443       \begin{pgfpicture}{0pt}{0pt}{#6}{#7}%
2444       \pgfsetfillopacity{0}
2445       \pgftext[x=0cm,y=3pt]{.}
2446       \pgftext[x=#6,y=\dimexpr#7-\baselineskip+3pt]{.}
2447       \end{pgfpicture}%
2448       \endgroup%
2449       \fi%
2450     }}}%
2451   \ht\@tempboxa=0pt%
2452   \wd\@tempboxa=0pt%
2453   \dp\@tempboxa=0pt%
2454   \setbox\@tempboxa=\vbox{\if@RTL\moveleft\else\moveright\fi#4\hbox{\lower#5\vbox{\box\@tempboxa}}%
2455   \ht\@tempboxa=0pt%
2456   \wd\@tempboxa=0pt%
2457   \dp\@tempboxa=0pt%
2458   \global\setbox\beamer@zoombox=\vbox to0pt{\unvbox\beamer@zoombox\box\@tempboxa}%
2459 }%
2460 \only<#2>{%
2461   \@ifundefined{\beamer@labelzoomed}%
2462   {%
2463     \hypertarget{\beamer@labelzoomed}{}%
2464     \expandafter\gdef\csname\beamer@labelzoomed\endcsname{}%
2465   }{}%
2466   \gdef\beamer@zoomer{%
2467     % compute zoom factor
2468     \@tempdima=\beamer@frametextheight%
2469     \@tempdimb=#7\relax%
2470     \@tempcnta=\@tempdimb%
2471     \divide\@tempcnta by4096\relax%
2472     \multiply\@tempdima by16\relax%
2473     \divide\@tempdima by\@tempcnta%
2474     \@tempdimb=\paperwidth%
2475     \ifbeamer@plainframe%
2476     \else%
2477       \advance\@tempdimb by-\beamer@leftsidebar%
2478       \advance\@tempdimb by-\beamer@rightsidebar\relax%
2479     \fi%
2480     \@tempdimc=#6\relax%

```



```

2481 \tempcntb=\@tempdimc%
2482 \divide\tempcntb by4096\relax%
2483 \multiply\@tempdimb by16\relax%
2484 \divide\@tempdimb by\tempcntb%
2485 \ifdim\@tempdimb<\@tempdima%
2486 \@tempdima=\@tempdimb%
2487 \fi%
2488 \edef\beamer@temp{\strip@pt\@tempdima}%
2489 \@tempdimc=\beamer@frametextheight%
2490 \advance\@tempdimc by4pt%
2491 \@tempdimb=\paperwidth%
2492 \ifbeamer@plainframe%
2493 \else%
2494 \advance\@tempdimb by-\beamer@leftsidebar%
2495 \advance\@tempdimb by-\beamer@rightsidebar\relax%
2496 \fi%
2497 \setbox\@tempboxa=\vbox{\hsize=\@tempdimb\Acrobatmenu{GoBack}{\vbox to
2498 \beamer@frametextheight{\hbox to\@tempdimb{\hfil}\vfil}}}%
2499 \ht\@tempboxa=0pt%
2500 \wd\@tempboxa=0pt%
2501 \dp\@tempboxa=0pt%
2502 \setbox\beamer@framebox=\vbox to\beamer@frametextheight{%
2503 \ifbeamer@plainframe\beamer@leftmargin=\Gm@lmargin\fi%
2504 \ifRTL
2505 \begin{pgfpicture}{\paperwidth-\beamer@leftmargin}{-\beamer@frametextheight}{\pap
2506 \pgftext[right,top]{\box\@tempboxa}
2507 \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2508 \pgfusepath{clip}
2509 \begingroup
2510 \pgftransformscale{\beamer@temp}
2511 \@tempdima=#4\relax%
2512 \@tempdimb=#5\relax%
2513 {\pgftransformshift{\pgfpoint{\@tempdima+#6}{\@tempdimb}}%
2514 \pgftext[right,top]{\vbox{\vbox{\nointerlineskip\unvbox\beamer@framebox}}}%
2515 \endgroup
2516 \end{pgfpicture}}%
2517 \else
2518 \begin{pgfpicture}{\beamer@leftmargin}{-\beamer@frametextheight}{\beamer@leftmargin}
2519 \pgftext[left,top]{\box\@tempboxa}
2520 \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2521 \pgfusepath{clip}
2522 \begingroup
2523 \pgftransformscale{\beamer@temp}
2524 \@tempdima=#4\relax%
2525 \@tempdimb=#5\relax%
2526 {\pgftransformshift{\pgfpoint{-\@tempdima}{\@tempdimb}}%
2527 \pgftext[left,top]{\vbox{\vbox{\nointerlineskip\unvbox\beamer@framebox}}}%
2528 \endgroup
2529 \end{pgfpicture}}%
2530 \fi
2531 }}%
2532 \setbox\beamer@framebox=\vbox{%
2533 \nobreak\vbox{\nobreak\par\nobreak\beamer@entrycode\nobreak%
2534 \nointerlineskip\unvbox\beamer@frametitlebox%

```



```

2535         \nobreak%
2536         \box\beamer@framebox%
2537         \nobreak%
2538         \vss%
2539         \beamer@exitcode%
2540     }%
2541     \global\setbox\beamer@footins=\box\voidb@x% no footnotes in zoomed slides
2542 }%
2543 }%
2544 }
2545
2546

```

21 File beamerbaselocalstructure-xetex-bidi.def

```

2547 \ProvidesFile{beamerbaselocalstructure-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for
2548 \def\beamer@enum@{%
2549     \beamer@computepref\@itemdepth% sets \beameritemnestingprefix
2550     \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2551     \bgroup
2552     \usebeamerfont{fg}{itemize/enumerate \beameritemnestingprefix body}%
2553     \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2554     \egroup
2555     \expandafter
2556     \list
2557         {\usebeamertemplate{\beamer@enumtempl}}
2558         {\usecounter\@enumctr%
2559             \def\makelabel##1{\hss\llap{%
2560                 \usebeamerfont*{enumerate \beameritemnestingprefix item}%
2561                 \usebeamerfont{fg}{enumerate \beameritemnestingprefix item}##1}}}%
2562     \beamer@cramped%
2563     \bidi@beamer@ragged%
2564     \beamer@firstlineitemizeunskip%
2565 }
2566
2567 \renewcommand{\itemize}[1][ ]{%
2568     \ifblank{#1}{\def\beamer@defaultspec{#1}}%
2569     \ifnum \@itemdepth >2\relax\@toodeep\else
2570         \advance\@itemdepth\@ne
2571         \beamer@computepref\@itemdepth% sets \beameritemnestingprefix
2572         \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2573         \bgroup
2574         \usebeamerfont{fg}{itemize/enumerate \beameritemnestingprefix body}%
2575         \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2576         \egroup
2577         \list
2578             {\usebeamertemplate{itemize \beameritemnestingprefix item}}
2579             {\def\makelabel##1{%
2580                 {%
2581                     \hss\llap{%
2582                         \usebeamerfont*{itemize \beameritemnestingprefix item}%
2583                         \usebeamerfont{fg}{itemize \beameritemnestingprefix item}##1}}}%
2584                 }%
2585             }%

```



```

2586     }
2587     \fi%
2588     \beamer@cramped%
2589     \bidi@beamer@ragged%
2590     \beamer@firstlineitemizeunskip%
2591 }
2592
2593 \def\@@description{%
2594   \advance\beamer@descdefault by \labelsep%
2595   \usebeamerfont{description body}%
2596   \bgroup
2597   \usebeamerfont{description body}%
2598   \usebeamertemplate{description body begin}%
2599   \egroup
2600   \list
2601   {}
2602   {\labelwidth\beamer@descdefault\leftmargin\beamer@descdefault\let\makelabel\beamer@descri
2603   \beamer@cramped%
2604   \bidi@beamer@ragged
2605   \beamer@firstlineitemizeunskip%
2606 }
2607
2608 \renewenvironment{thebibliography}[1]
2609 {%\leavevmode\unskip%
2610 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
2611 \bidi@thebibliography@font@hook%
2612 \list{\@biblabel{\@arabic\c@enumiv}}%
2613     {\settowidth\labelwidth{\beamer@biblabeltemplate{\@biblabel{#1}}}%
2614     \leftmargin\labelwidth
2615     \advance\leftmargin\labelsep
2616     \itemsep=0pt%
2617     \partopsep=0pt%
2618     \topsep=0pt%
2619     \usecounter{enumiv}%
2620     \let\p@enumiv\@empty
2621     \renewcommand\theenumiv{\@arabic\c@enumiv}
2622     \let\makelabel\beamer@biblabeltemplate}%
2623 \sloppy\bidi@beamer@ragged
2624 \clubpenalty10000
2625 \@clubpenalty \clubpenalty
2626 \widowpenalty10000%
2627 \sfcode\.\@m}
2628 {\def\@noitemerr
2629   {\@latex@warning{Empty `thebibliography' environment}}%
2630   \ifhmode\unskip\fi\endlist}
2631
2632

```

22 File beamerbasemisc-xetex-bidi.def

```

2633 \ProvidesFile{beamerbasemisc-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamerbas
2634 \define@key{beamerst}{width}{%
2635   \def\beamer@ststart{%
2636     \begin{minipage}[t]{#1}%

```



```

2637     \bidi@beamer@ragged
2638     \beamer@stalign
2639     \beamer@stlinebreakrule
2640 }%
2641 \def\beamer@stend{\end{minipage}}
2642
2643

```

23 File beamerbasenavigation-xetex-bidi.def

```

2644 \ProvidesFile{beamerbasenavigation-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for bea
2645 \def\slideentry#1#2#3#4#5#6{%
2646   %section number, subsection number, slide number, first/last frame, page number, part num
2647   \ifnum#6=\c@part\ifnum#1>0\ifnum#3>0%
2648     \ifbeamer@compress%
2649       \advance\beamer@xpos by1\relax%
2650     \else%
2651       \ifnum#2=0%
2652         \beamer@ypos@offset=1\relax%
2653       \fi
2654       \beamer@xpos=#3\relax%
2655       \beamer@ypos=#2\relax%
2656       \advance\beamer@ypos by \beamer@ypos@offset\relax
2657     \fi%
2658   \hbox to Opt{%
2659     \beamer@tempdim=-\beamer@vboxoffset%
2660     \advance\beamer@tempdim by-\beamer@boxsize%
2661     \multiply\beamer@tempdim by\beamer@ypos%
2662     \advance\beamer@tempdim by -.05cm%
2663     \raise\beamer@tempdim\hbox{%
2664       \beamer@tempdim=\beamer@boxsize%
2665       \multiply\beamer@tempdim by\beamer@xpos%
2666       \advance\beamer@tempdim by -\beamer@boxsize%
2667       \advance\beamer@tempdim by 1pt%
2668       \kern\beamer@tempdim
2669       \global\beamer@section@min@dim\beamer@tempdim
2670       \hbox{\beamer@link(#4){%
2671         \usebeamerfont{mini frame}%
2672         \ifnum\c@section=#1%
2673           \ifnum\c@subsection=#2%
2674             \usebeamercolor{fg}{mini frame}%
2675             \ifnum\c@subsectionslide=#3%
2676               \usebeamertemplate{mini frame}%\beamer@minislidehighlight%
2677             \else%
2678               \usebeamertemplate{mini frame in current subsection}%\beamer@minisliderowhi
2679             \fi%
2680           \else%
2681             \usebeamercolor{mini frame}%
2682             %\color{fg!50!bg}%
2683             \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2684           \fi%
2685         \else%
2686           \usebeamercolor{mini frame}%
2687           %\color{fg!50!bg}%

```



```

2688         \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2689         \fi%
2690     }}}} \hskip-10cm plus 1fil%
2691 } \fi \fi%
2692 \else%
2693 \fakeslideentry{#1}{#2}{#3}{#4}{#5}{#6}%
2694 \fi \ignorespaces
2695 }
2696
2697 \pgfdefobject{bidi@beamer@RTL@gotosymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2698 {
2699     \pgfpathqmoveto{3.5bp}{0.5bp}
2700     \pgfpathqlineto{1.5bp}{2bp}
2701     \pgfpathqlineto{3.5bp}{3.5bp}
2702     \pgfusepathqfill
2703 }
2704
2705 \def\insertgotosymbol{%
2706 \if@RTL
2707     \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2708         \pgfuseobject{bidi@beamer@RTL@gotosymbol}%
2709     \end{pgfpicture}%
2710 \else
2711     \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2712         \pgfuseobject{beamergotosymbol}%
2713     \end{pgfpicture}%
2714 \fi
2715 }
2716
2717 \pgfdefobject{bidi@beamer@RTL@skipsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{7pt}{5pt}}
2718 {
2719     \pgfpathqmoveto{5.5bp}{0.5bp}
2720     \pgfpathqlineto{3.5bp}{2bp}
2721     \pgfpathqlineto{5.5bp}{3.5bp}
2722     \pgfpathqmoveto{3.5bp}{0.5bp}
2723     \pgfpathqlineto{1.5bp}{2bp}
2724     \pgfpathqlineto{3.5bp}{3.5bp}
2725     \pgfusepathqfill
2726 }
2727
2728 \def\insertskipsymbol{%
2729 \if@RTL
2730     \begin{pgfpicture}{-1pt}{0pt}{6pt}{5pt}
2731         \pgfuseobject{bidi@beamer@RTL@skipsymbol}%
2732     \end{pgfpicture}%
2733 \else
2734     \begin{pgfpicture}{1pt}{0pt}{8pt}{5pt}
2735         \pgfuseobject{beamerskipsymbol}%
2736     \end{pgfpicture}%
2737 \fi
2738 }
2739
2740 \pgfdefobject{bidi@beamer@RTL@returnsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2741 {

```



```

2742 \pgfpathmoveto{1.5bp}{0.5bp}
2743 \pgfpathqlineto{3.5bp}{2bp}
2744 \pgfpathqlineto{1.5bp}{3.5bp}
2745 \pgfusepathqfill
2746 }
2747
2748 \def\insertreturnsymbol{%
2749 \if@RTL
2750 \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2751 \pgfuseobject{bidi@beamer@RTL@returnsymbol}%
2752 \end{pgfpicture}%
2753 \else
2754 \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2755 \pgfuseobject{beamerreturnsymbol}%
2756 \end{pgfpicture}%
2757 \fi
2758 }
2759
2760

```

24 File beamerbaseoverlay-xetex-bidi.def

```

2761 \ProvidesFile{beamerbaseoverlay-xetex-bidi.def}[2022/06/10 v0.1 bidi adaptations for beamer]
2762 \renewcommand<>{\color}{\alt#1{\beameroriginal{\color}}{\beamer@gobbleoptionalinsp}}
2763
2764

```

25 File beamerinnerthemedefault-xetex-bidi.def

```

2765 \ProvidesFile{beamerinnerthemedefault-xetex-bidi.def}[2022/06/27 v0.6 bidi adaptations for beamer]
2766 \newcommand*{\bidi@beamer@leftskip}{%
2767 \if@RTL
2768 \rightskip
2769 \else
2770 \leftskip
2771 \fi
2772 }
2773
2774 \newcommand*{\bidi@beamer@rightskip}{%
2775 \if@RTL
2776 \leftskip
2777 \else
2778 \rightskip
2779 \fi
2780 }
2781
2782 \bidi@csundef{beamer@@tmpop@subsection in toc@default}
2783
2784 \bidi@csundef{beamer@@tmpop@subsubsection in toc@default}
2785
2786 \defbeamertemplate*{subsection in toc}{default}
2787 {\leavevmode\bidi@beamer@leftskip=1.5em\inserttocsubsection\par}
2788
2789 \defbeamertemplate*{subsubsection in toc}{default}

```



```

2790 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3em%
2791 \usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
2792
2793 \newcommand*{\bidi@beamer@blacktriangle}{%
2794 \if@RTL
2795   $\blacktriangleleft$%
2796 \else
2797   $\blacktriangleright$%
2798 \fi
2799 }
2800
2801 \bidi@csundef{beamer@@tmpop@itemize item@default}
2802
2803 \bidi@csundef{beamer@@tmpop@itemize subitem@default}
2804
2805 \bidi@csundef{beamer@@tmpop@itemize subsubitem@default}
2806
2807 \defbeamertemplate*{itemize item}{default}{\usebeamerfont*{itemize item}\raise1.25pt\hbox{
2808 \defbeamertemplate*{itemize subitem}{default}{\usebeamerfont*{itemize subitem}\raise1.5pt\h
2809 \defbeamertemplate*{itemize subsubitem}{default}{\usebeamerfont*{itemize subsubitem}\raise1
2810
2811 \bidi@undef\beamer@@tmpop@footnote@default
2812
2813 \defbeamertemplate*{footnote}{default}
2814 {
2815 \parindent 1em\noindent%
2816 \bidi@beamer@ragged
2817 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2818 }
2819
2820 \defbeamertemplate*{RTLfootnote}{default}
2821 {
2822 \parindent 1em\noindent%
2823 \raggedleft
2824 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2825 }
2826
2827 \defbeamertemplate*{LTRfootnote}{default}
2828 {
2829 \parindent 1em\noindent%
2830 \raggedright
2831 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2832 }
2833
2834 \bidi@undef\beamer@@tmpop@caption@default
2835
2836 \defbeamertemplate*{caption}{default}
2837 {%
2838 \bidi@beamer@ragged
2839 {%
2840 \leavevmode
2841 \usebeamerfont{caption name}%
2842 \usebeamerfont*{caption name}%
2843 \insertcaptionname

```



```

2844 \usebeamertemplate{caption label separator}%
2845 }%
2846 \insertcaption\par
2847 }
2848
2849 \bidi@csundef{beamer@@tmpop@block begin@default}
2850
2851 \bidi@csundef{beamer@@tmpop@block alerted begin@default}
2852
2853 \bidi@csundef{beamer@@tmpop@block example begin@default}
2854
2855 \defbeamertemplate*{block begin}{default}
2856 {
2857 \par\vskip\medskipamount%
2858 \begin{beamercolorbox}[colsep*=.75ex]{block title}
2859 \usebeamerfont*{block title}\insertblocktitle%
2860 \end{beamercolorbox}%
2861 {\parskip0pt\par}%
2862 \ifbeamercolorempy[bg]{block title}
2863 {}
2864 {\ifbeamercolorempy[bg]{block body}{\nointerlineskip\vskip-0.5pt}}%
2865 \usebeamerfont{block body}%
2866 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body}%
2867 \ifbeamercolorempy[bg]{block body}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+\base
2868 }
2869
2870 \defbeamertemplate*{block alerted begin}{default}
2871 {
2872 \par\vskip\medskipamount%
2873 \begin{beamercolorbox}[colsep*=.75ex]{block title alerted}
2874 \usebeamerfont*{block title alerted}\insertblocktitle%
2875 \end{beamercolorbox}%
2876 {\parskip0pt\par}%
2877 \ifbeamercolorempy[bg]{block title alerted}
2878 {}
2879 {\ifbeamercolorempy[bg]{block body alerted}{\nointerlineskip\vskip-0.5pt}}%
2880 \usebeamerfont{block body alerted}%
2881 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body alerted}%
2882 \ifbeamercolorempy[bg]{block body alerted}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75
2883 }
2884
2885 \defbeamertemplate*{block example begin}{default}
2886 {
2887 \par\vskip\medskipamount%
2888 \begin{beamercolorbox}[colsep*=.75ex]{block title example}
2889 \usebeamerfont*{block title example}\insertblocktitle%
2890 \end{beamercolorbox}%
2891 {\parskip0pt\par}%
2892 \ifbeamercolorempy[bg]{block title example}
2893 {}
2894 {\ifbeamercolorempy[bg]{block body example}{\nointerlineskip\vskip-0.5pt}}%
2895 \usebeamerfont{block body example}%
2896 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body example}%
2897 \ifbeamercolorempy[bg]{block body example}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75

```



```

2898 }
2899
2900 \bidi@csundef{beamer@@tmpop@abstract begin@default}
2901
2902 \defbeamertemplate*{abstract begin}{default}
2903 {\beamercolorbox[vmode]{abstract}\bidi@beamer@leftskip2em\bidi@beamer@rightskip2em plus 1fi}
2904
2905 \bidi@undef\beamer@@tmpop@button@default
2906
2907 \defbeamertemplate*{button}{default}
2908 {%
2909   \setbox\beamer@tempbox=\hbox{\insertbuttontext}}%
2910   \ht\beamer@tempbox=6pt%
2911   \dp\beamer@tempbox=0pt%
2912   \setbox\beamer@tempbox=\vbox{\box\beamer@tempbox\vskip2pt}%
2913   \beamer@tempdim=\wd\beamer@tempbox%
2914   \beamer@dima=\beamer@tempdim\advance\beamer@dima by2.2pt
2915   \beamer@dimb=\beamer@tempdim\advance\beamer@dimb by4pt
2916   \if@RTL
2917     \kern4pt%
2918     \box\beamer@tempbox%
2919     \hskip-\beamer@tempdim%
2920   \fi
2921   \begin{pgfpicture}{-4pt}{0pt}{\the\beamer@tempdim}{8pt}
2922     \color{bg}
2923     \pgfsetlinewidth{0.8pt}
2924     \pgfpathqmoveto{0pt}{0pt}
2925     \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2926     \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2927     \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2928     \pgfpathcurveto%
2929     {\pgfpoint{\the\beamer@dima}{8pt}}%
2930     {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2931     {\pgfpoint{\the\beamer@dimb}{4pt}}
2932     \pgfpathcurveto%
2933     {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2934     {\pgfpoint{\the\beamer@dima}{0pt}}%
2935     {\pgfpoint{\the\beamer@tempdim}{0pt}}
2936     \pgfpathclose
2937     \pgfusepathqfill
2938     \colorlet{bg}{parent.bg}
2939     \usebeamercolor[fg]{button border}
2940     \pgfpathqmoveto{0pt}{0pt}
2941     \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2942     \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2943     \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2944     \pgfpathcurveto%
2945     {\pgfpoint{\the\beamer@dima}{8pt}}%
2946     {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2947     {\pgfpoint{\the\beamer@dimb}{4pt}}
2948     \pgfpathcurveto%
2949     {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2950     {\pgfpoint{\the\beamer@dima}{0pt}}%
2951     {\pgfpoint{\the\beamer@tempdim}{0pt}}

```



```

2952 \pgfpathclose
2953 \pgfusepathqstroke
2954 \end{pgfpicture}%
2955 \if@RTL
2956 \else
2957 \hskip-\beamer@tempdim%
2958 \box\beamer@tempbox%
2959 \kern4pt%
2960 \fi
2961 }
2962
2963

```

26 File beamerinnerthemecircles-xetex-bidi.def

```

2964 \ProvidesFile{beamerinnerthemecircles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for
2965 \setbeamertemplate{sections/subsections in toc}[circle]
2966

```

27 File beamerinnerthemefocus-xetex-bidi.def

```

2967 \ProvidesFile{beamerinnerthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for be
2968 \setbeamertemplate{section in toc}[square]
2969 \setbeamertemplate{subsection in toc}[square]
2970
2971 \setbeamertemplate{itemize items}[square]
2972 \setbeamertemplate{itemize subitem}[triangle]
2973
2974 \bidi@csundef{beamer@@tmpop@title page@focus}
2975
2976 \defbeamertemplate*{title page}{focus}{%
2977   {%
2978     \usebeamercolor{frametitle}\colorlet{focus@temp}{bg}%
2979     \begin{tikzpicture}[overlay, remember picture]
2980       \fill[color=focus@temp] (current page.north west) rectangle ([shift = {(0, -0.
2981     \end{tikzpicture}
2982   }
2983
2984   \vspace{-1.65\baselineskip}
2985   \begin{minipage}[b][0.35\paperheight]{\textwidth}
2986     \vspace{\baselineskip}
2987     \usebeamerfont{title}
2988     \usebeamercolor{fg}{frametitle}
2989     \inserttitle
2990   \end{minipage}
2991
2992   \begin{minipage}[t][0.1\paperheight]{\textwidth}
2993     \usebeamerfont{subtitle}
2994     \usebeamercolor{fg}{frametitle}
2995     \insertsubtitle
2996   \end{minipage}
2997
2998   % Set the title graphic in a zero-height box, so that
2999   % the position of other elements is not affected.

```



```

3000    {\vfuzz=9999pt\vbox to 0pt {
3001        \if@RTL
3002            \raggedright
3003        \else
3004            \raggedleft
3005        \fi
3006        \inserttitlegraphic
3007    }}
3008
3009    \begin{minipage}[t]{\textwidth}
3010        \usebeamerfont{author}
3011        \insertauthor
3012    \end{minipage}
3013
3014    \vspace*{\baselineskip}
3015    \begin{minipage}[t]{\textwidth}
3016        \usebeamerfont{institute}
3017        \insertinstitute
3018    \end{minipage}
3019
3020    \vspace*{\baselineskip}
3021    \begin{minipage}[t]{\textwidth}
3022        \usebeamerfont{date}
3023        \insertdate
3024    \end{minipage}
3025
3026    \vspace*{0pt plus 100fill}
3027
3028    \addtocounter{framenum}{-1}
3029    \addtocounter{realframenum}{-1}
3030 }
3031
3032
3033

```

28 File beamerinnerthemeinmargin-xetex-bidi.def

```

3034 \ProvidesFile{beamerinnerthemeinmargin-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for
3035 \AtBeginDocument{%
3036     \setbeamsize{sidebar width left=.25\paperwidth}%
3037 }
3038
3039 \bidi@csundef{beamer@@tmpop@section in toc@inmargin}
3040
3041 \bidi@csundef{beamer@@tmpop@title page@inmargin}
3042
3043 \bidi@csundef{beamer@@tmpop@block begin@inmargin}
3044
3045 \bidi@csundef{beamer@@tmpop@block end@inmargin}
3046
3047 \bidi@csundef{beamer@@tmpop@block alerted begin@inmargin}
3048
3049 \bidi@csundef{beamer@@tmpop@block alerted end@inmargin}
3050

```



```

3051 \bidi@csundef{beamer@@tmpop@block example begin@inmargin}
3052
3053 \bidi@csundef{beamer@@tmpop@block example end@inmargin}
3054
3055 \defbeamertemplate*{section in toc}{inmargin}
3056 {\leavevmode
3057   \beamer@putleft{\usebeamercolor[fg]{section in toc}\inserttocsection}\strut}{2.5ex}}
3058
3059 \defbeamertemplate*{title page}{inmargin}
3060 {
3061   \begin{block}{\inserttitleindicator}
3062     \bgroup\usebeamercolor[fg]{title}\usebeamerfont{title}\inserttitle\egroup\par
3063     \usebeamercolor[fg]{subtitle}\usebeamerfont{subtitle}\insertsubtitle
3064   \end{block}
3065   \vfill
3066   \ifx\insertauthor\@empty
3067   \else
3068     \begin{block}{\insertauthorindicator}
3069       \bgroup\usebeamercolor[fg]{author}\usebeamerfont{author}\insertauthor\egroup\par
3070     \end{block}
3071   \fi
3072   \ifx\insertinstitute\@empty
3073   \else
3074     \begin{block}{\insertinstituteindicator}
3075       \bgroup\usebeamercolor[fg]{institute}\usebeamerfont{institute}\insertinstitute\egroup\par
3076     \end{block}
3077   \fi
3078   \ifx\insertdate\@empty
3079   \else
3080     \begin{block}{\insertdateindicator}
3081       \bgroup\usebeamercolor[fg]{date}\usebeamerfont{date}\insertdate\egroup\par
3082     \end{block}
3083   \fi
3084 }
3085
3086 \defbeamertemplate*{block begin}{inmargin}
3087 {
3088   \par\vskip\medskipamount%
3089   \leavevmode%
3090   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title}\usebeamerfont*{block title}}\par}
3091   \beginL\beamer@putright
3092   %\usebeamercolor[fg]{block body}% to be done!
3093 }
3094
3095 \defbeamertemplate*{block end}{inmargin}
3096 {\endbeamer@putright\endL\vskip\smallskipamount}
3097
3098 \defbeamertemplate*{block alerted begin}{inmargin}
3099 {
3100   \par\vskip\medskipamount%
3101   \leavevmode%
3102   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title alerted}\usebeamerfont*{block title alerted}}\par}
3103   \beginL\beamer@putright
3104   %\usebeamercolor[fg]{block body alerted}% to be done!

```



```

3105 }
3106
3107 \defbeamertemplate*{block alerted end}{inmargin}
3108 {\endbeamer@putright\endL\vskip\smallskipamount}
3109
3110 \defbeamertemplate*{block example begin}{inmargin}
3111 {
3112   \par\vskip\medskipamount%
3113   \leavevmode%
3114   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title example}\usebeamerfont*{block
3115   \beginL\beamer@putright
3116   %\usebeamercolor[fg]{block body example}% to be done
3117 }
3118
3119 \defbeamertemplate*{block example end}{inmargin}
3120 {\endbeamer@putright\endL\vskip\smallskipamount}
3121
3122 \bidi@AfterFile{beamerinnerthememetropolis-xetex-bidi.def}{%
3123   \setbeamertemplate{section in toc}[inmargin]%
3124   \setbeamertemplate{subsection in toc}[inmargin]%
3125   \setbeamertemplate{subsubsection in toc}[inmargin]%
3126 }
3127
3128

```

29 File beamerinnerthememetropolis-xetex-bidi.def

```

3129 \ProvidesFile{beamerinnerthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations f
3130 \setbeamertemplate{title}{
3131   \bidi@beamer@ragged%
3132   \linespread{1.0}%
3133   \inserttitle%
3134   \par%
3135   \vspace*{0.5em}
3136 }
3137
3138 \setbeamertemplate{subtitle}{
3139   \bidi@beamer@ragged%
3140   \insertsubtitle%
3141   \par%
3142   \vspace*{0.5em}
3143 }
3144
3145 \bidi@csundef{beamer@@tmpop@section page@progressbar}
3146
3147 \defbeamertemplate{section page}{progressbar}{
3148   \centering
3149   \begin{minipage}{22em}
3150     \bidi@beamer@ragged
3151     \usebeamercolor[fg]{section title}
3152     \usebeamerfont{section title}
3153     \insertsectionhead\[-lex]
3154     \usebeamertemplate*{progress bar in section page}
3155     \par

```



```

3156 \ifx\insertsubsectionhead\@empty\else%
3157 \usebeamercolor[fg]{subsection title}%
3158 \usebeamerfont{subsection title}%
3159 \insertsubsectionhead
3160 \fi
3161 \end{minipage}
3162 \par
3163 \vspace{\baselineskip}
3164 }
3165
3166 \setbeamertemplate{progress bar in section page}{
3167 \setlength{\metropolis@progressonsectionpage}{%
3168 \textwidth * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}%
3169 }%
3170 \begin{tikzpicture}
3171 \fill[bg] (0,0) rectangle (\textwidth, \metropolis@progressonsectionpage@linewidth);
3172 \if@RTLmain
3173 \fill[fg] (\textwidth-\metropolis@progressonsectionpage,0) rectangle (\textwidth, \metropolis@progressonsectionpage@linewidth);
3174 \else
3175 \fill[fg] (0,0) rectangle (\metropolis@progressonsectionpage, \metropolis@progressonsectionpage@linewidth);
3176 \fi
3177 \end{tikzpicture}%
3178 }
3179
3180 \renewcommand{\metropolis@block}[1]{
3181 \par\vskip\medskipamount%
3182 \setlength{\parskip}{0pt}
3183 \ifbeamercoloreempty[bg]{block title#1}{%
3184 \if@RTL
3185 \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3186 \else
3187 \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3188 \fi
3189 }{%
3190 \ifbeamercoloreempty[bg]{block title}{%
3191 \if@RTL
3192 \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3193 \else
3194 \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3195 \fi
3196 }%
3197 }%
3198 \if@RTL
3199 \begin{beamercolorbox}[
3200 sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3201 rightskip=\metropolis@blockadjust,
3202 leftskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3203 ]{block title#1}%
3204 \else
3205 \begin{beamercolorbox}[
3206 sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3207 leftskip=\metropolis@blockadjust,
3208 rightskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3209 ]{block title#1}%

```



```

3210 \fi
3211 }}%
3212 \usebeamerfont*{block title#1}%
3213 \metropolis@strut%
3214 \insertblocktitle%
3215 \metropolis@strut%
3216 \end{beamercolorbox}%
3217 \nointerlineskip%
3218 \ifbeamercolorempy[bg]{block body#1}{%
3219 \begin{beamercolorbox}[vmode]{block body#1}}{
3220 \ifbeamercolorempy[bg]{block body}{%
3221 \begin{beamercolorbox}[vmode]{block body#1}%
3222 }{%
3223 \begin{beamercolorbox}[sep=\metropolis@blocksep, vmode]{block body#1}%
3224 \vspace{-\metropolis@parskip}
3225 }}%
3226 \usebeamerfont{block body#1}%
3227 \setlength{\parskip}{\metropolis@parskip}%
3228 }
3229
3230
3231 \setbeamertemplate{footnote}{%
3232 \parindent 0em\noindent%
3233 \bidi@beamer@ragged
3234 \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3235 }
3236
3237 \setbeamertemplate{RTLfootnote}{%
3238 \parindent 0em\noindent%
3239 \raggedleft
3240 \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3241 }
3242
3243 \setbeamertemplate{LTRfootnote}{%
3244 \parindent 0em\noindent%
3245 \raggedright
3246 \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3247 }
3248
3249 \setbeamertemplate{itemize items}{\textbullet}
3250
3251 \setbeamertemplate{section page}[progressbar]
3252
3253

```

30 File beamerinnerthemerectangles-xetex-bidi.def

```

3254 \ProvidesFile{beamerinnerthemerectangles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations f
3255 \setbeamertemplate{sections/subsections in toc}[square]
3256 \setbeamertemplate{items}[square]
3257

```

31 File beamerinnerthemrounded-xetex-bidi.def



```

3258 \ProvidesFile{beamerinnerthemeroounded-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for
3259 \setbeamertemplate{blocks}[rounded][shadow=\beamer@themeroounded@shadow]
3260 \setbeamertemplate{items}[ball]
3261 \setbeamertemplate{sections/subsections in toc}[ball]
3262

```

32 File beamerouterthemedefault-xetex-bidi.def

```

3263 \ProvidesFile{beamerouterthemedefault-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for
3264 \def\beamer@ftleft{\if@RTLmain\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by 1.7cm}
3265
3266 \def\beamer@fterright{\if@RTLmain\else\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by 1.7cm}
3267
3268 \AtBeginDocument{%
3269   \if@RTLmain
3270     \setbeamertemplate{frametitle}[default][right]
3271   \fi
3272 }
3273
3274 \bidi@csundef{beamer@@tmpop@note page@default}
3275
3276 \newcommand*{\bidi@beamer@today}{%
3277   \the\year-\ifnum\month<10\relax0\fi\the\month-\ifnum\day<10\relax0\fi\the\day}
3278
3279 \defbeamertemplate*{note page}{default}
3280 {%
3281   {%
3282     \scriptsize
3283     \usebeamerfont{note title}\usebeamercolor[fg]{note title}%
3284     \ifbeamercoloreempty[bg]{note title}{\%
3285       \insertvrule{.25\paperheight}{note title.bg}%
3286       \vskip-.25\paperheight%
3287       \nointerlineskip%
3288     }%
3289     \vbox{
3290       \hfill\insertslideintonotes{0.25}\hskip-\Gm@rmargin\hskip0pt%
3291       \vskip-0.25\paperheight%
3292       \nointerlineskip
3293       \if@RTL
3294         \begin{pgfpicture}{-\textwidth}{0cm}{-\textwidth}{0cm}
3295           \begin{pgflowlevelscope}{\pgftransformrotate{-90}}
3296             {\pgftransformshift{\pgfpoint{2cm}{0.2cm}}}%
3297             \pgftext[base,right]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3298           \end{pgflowlevelscope}
3299         \end{pgfpicture}%
3300       \else
3301         \begin{pgfpicture}{0cm}{0cm}{0cm}{0cm}
3302           \begin{pgflowlevelscope}{\pgftransformrotate{90}}
3303             {\pgftransformshift{\pgfpoint{-2cm}{0.2cm}}}%
3304             \pgftext[base,left]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3305           \end{pgflowlevelscope}
3306         \end{pgfpicture}%
3307       \fi}
3308     \nointerlineskip

```



```

3309 \vbox to .25\paperheight{\vskip0.5em
3310 \if@RTL
3311 \moveright0.25\textwidth
3312 \fi
3313 \hbox{\insertshorttitle[width=0.75\textwidth]}%
3314 \setbox\beamer@tempbox=\hbox{\insertsection}%
3315
3316 \if@RTL
3317 \moveright\dimexpr0.29\textwidth-14pt\relax
3318 \fi
3319 \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip4pt\raise3pt\hbox{\vrule
3320 width0.4pt height7pt\vrule width 9pt
3321 height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}
3322 \if@RTL\endR\fi}%
3323 \setbox\beamer@tempbox=\hbox{\insertsubsection}%
3324
3325 \if@RTL
3326 \moveright\dimexpr0.29\textwidth-27.4pt\relax
3327 \fi \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip17.4pt\raise3pt\hbox{\vr
3328 width0.4pt height7pt\vrule width 9pt
3329 height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}
3330 \if@RTL\endR\fi}%
3331 \setbox\beamer@tempbox=\hbox{\insertshortframetitle}%
3332
3333 \if@RTL
3334 \moveright\dimexpr0.33\textwidth-40.8pt\relax
3335 \fi \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip30.8pt\raise3pt\hbox{\vr
3336 width0.4pt height7pt\vrule width 9pt
3337 height0.4pt}}\hskip1pt\hbox{\insertshortframetitle[width=0.67\textwidth]}\fi%
3338 \if@RTL\endR\fi}%
3339 \vfil}%
3340 }%
3341 \ifbeamercoloreempty[bg]{note page}{-}{-}%
3342 \nointerlineskip%
3343 \insertvrule{.75\paperheight}{note page.bg}%
3344 \vskip-.75\paperheight%
3345 }%
3346 \vskip.25em
3347 \nointerlineskip
3348 \insertnote
3349 }
3350
3351
3352

```

33 File beamerouterthemefocus-xetex-bidi.def

```

3353 \ProvidesFile{beamerouterthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for be
3354 \bidi@undef\beamer@tmpop@footline@progressbar
3355
3356 \defbeamertemplate*{footline}{progressbar}{%
3357 % If not appendix.
3358 \ifnum\mainend<0% From package appendixnumberbeamer.
3359 %

```



```

3360 \settothewidth{\focus@pbar@leftoffset}{1}%
3361 \addtolength{\focus@pbar@leftoffset}{1.5em}%
3362 %
3363 \ifx\beamer@focus@totalframenummering\no%
3364 \settothewidth{\focus@pbar@rightoffset}{}%
3365 \addtolength{\focus@pbar@rightoffset}{0.5em}%
3366 \else%
3367 \settothewidth{\focus@pbar@rightoffset}{\inserttotalframenummer}%
3368 \addtolength{\focus@pbar@rightoffset}{1.5em}%
3369 \fi%
3370 %
3371 % If not title page.
3372 \ifnum\value{realframenummer}>0%
3373 \ifnum\value{framenummer}<\inserttotalframenummer%
3374 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]\usebeamerfont{footline}
3375 \pgfmathsetmacro{\focus@pbar@progress}%
3376 {(\paperwidth-\focus@pbar@leftoffset-\focus@pbar@rightoffset)*(\inserttotalframenummer-\value{framenummer})/\value{realframenummer}}
3377
3378 \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3379 \if@RTLmain
3380 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@leftoffset,\the\focus@pbar@height);
3381 \fill[footline.bg] (\paperwidth-\the\focus@pbar@leftoffset,0) rectangle ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west]{\focus@pbar@progress};
3382
3383 \else
3384 \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@leftoffset,\the\focus@pbar@height);
3385 \fill[footline.bg] (\the\focus@pbar@leftoffset,0) rectangle ++(\focus@pbar@rightoffset,0) node[anchor=east]{\focus@pbar@progress};
3386
3387 \fi
3388
3389 \ifx\beamer@focus@totalframenummering\no%
3390 \else%
3391 \if@RTLmain
3392 \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@rightoffset,\the\focus@pbar@height);
3393 \else
3394 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@rightoffset,\the\focus@pbar@height);
3395
3396 \fi
3397 \fi%
3398 \end{tikzpicture}%
3399 \else%
3400 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]
3401 \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3402 \fill[footline.bg] (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3403 \if@RTLmain
3404 \node[anchor=west, footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){\focus@pbar@progress};
3405 \else
3406 \node[anchor=east, footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){\focus@pbar@progress};
3407 \fi
3408
3409 \ifx\beamer@focus@totalframenummering\no%
3410 \else%
3411 \if@RTLmain
3412 \node[footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){\focus@pbar@progress};
3413 \else

```



```

3414 \node[footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0
3415 \node[anchor=west, footline.fg] at ({\paperwidth-\the\focus@pbar@ri
3416 \fi
3417 \fi%
3418 \end{tikzpicture}%
3419 \fi%
3420 \fi%
3421 \fi%
3422 }
3423
3424

```

34 File beamerouterthemeinfolines-xetex-bidi.def

```

3425 \ProvidesFile{beamerouterthemeinfolines-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations fo
3426 \bidi@csundef{beamer@@tmpop@footline@infolines theme}
3427
3428 \defbeamertemplate*{footline}{infolines theme}
3429 {%
3430 \leavevmode%
3431 \hbox{%
3432 \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{author in head/foot
3433 \usebeamerfont{author in head/foot}\insertshortauthor\expandafter\ifblank\expandafter{\
3434 \end{beamercolorbox}%
3435 \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{title in head/foot}
3436 \usebeamerfont{title in head/foot}\insertshorttitle
3437 \end{beamercolorbox}%
3438 \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,leftskip=2ex,rightskip=2ex,
3439 \hfill%
3440 \usebeamerfont{date in head/foot}%
3441 \insertshortdate{}%
3442 \hfill%
3443 \bgroup
3444 \usebeamerfont{page number in head/foot}%
3445 \usebeamerfont{page number in head/foot}%
3446 \usebeamertemplate{page number in head/foot}%
3447 \egroup
3448 \end{beamercolorbox}}%
3449 \vskip0pt%
3450 }
3451
3452 \bidi@csundef{beamer@@tmpop@headline@infolines theme}
3453
3454 \defbeamertemplate*{headline}{infolines theme}
3455 {%
3456 \leavevmode%
3457 \hbox{%
3458 \if@RTL
3459 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{section in head/foot}%
3460 \else
3461 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{section in head/foot}%
3462 \fi
3463 \usebeamerfont{section in head/foot}\insertsectionhead\hspace*{2ex}
3464 \end{beamercolorbox}%

```



```

3465 \if@RTL
3466   \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{subsection in head/foot}
3467 \else
3468   \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{subsection in head/foot}
3469 \fi
3470   \usebeamerfont{subsection in head/foot}\hspace*{2ex}\insertsubsectionhead
3471   \end{beamercolorbox}}%
3472   \vskip0pt%
3473 }
3474
3475 \bidi@AfterFile{beamerouterthememsplit-xetex-bidi.def}{%
3476   \setbeamertemplate{footline}[infoclines theme]%
3477 }
3478

```

35 File beamerouterthememetropolis-xetex-bidi.def

```

3479 \ProvidesFile{beamerouterthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations f
3480 \setbeamertemplate{progress bar in head/foot}{
3481   \nointerlineskip
3482   \setlength{\metropolis@progressinheadfoot}{%
3483     \paperwidth * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}%
3484   }%
3485   \begin{beamercolorbox}[wd=\paperwidth]{progress bar in head/foot}
3486     \begin{tikzpicture}
3487       \fill[bg] (0,0) rectangle (\paperwidth, \metropolis@progressinheadfoot@linewidth);
3488 \if@RTLmain
3489       \fill[fg] (\paperwidth-\metropolis@progressinheadfoot,0) rectangle (\paperwidth, \met
3490 \else
3491       \fill[fg] (0,0) rectangle (\metropolis@progressinheadfoot, \metropolis@progressinhead
3492 \fi
3493     \end{tikzpicture}%
3494   \end{beamercolorbox}
3495 }
3496
3497 \AtBeginDocument{%
3498   \setbeamertemplate{frametitle}[plain]%
3499 }
3500
3501

```

36 File beamerouterthememiniframes-xetex-bidi.def

```

3502 \ProvidesFile{beamerouterthememiniframes-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations f
3503 \bidi@csundef{beamer@@tmpop@headline@miniframes theme}
3504
3505 \defbeamertemplate*{headline}{miniframes theme}
3506 {%
3507   \begin{beamercolorbox}[colsep=1.5pt]{upper separation line head}
3508   \end{beamercolorbox}
3509   \begin{beamercolorbox}{section in head/foot}
3510     \vskip2pt\if@RTL\beginR\fi\insertnavigation{\paperwidth}\if@RTL\endR\fi\vskip2pt
3511   \end{beamercolorbox}%
3512   \ifbeamer@theme@subsection%

```



```

3513 \begin{beamercolorbox}[colsep=1.5pt]{middle separation line head}
3514 \end{beamercolorbox}
3515 \if@RTL
3516 \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3517   rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3518 \else
3519 \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3520   leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3521 \fi
3522 \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3523 \end{beamercolorbox}%
3524 \fi%
3525 \begin{beamercolorbox}[colsep=1.5pt]{lower separation line head}
3526 \end{beamercolorbox}
3527 }
3528
3529

```

37 File beamerouterthemesidebar-xetex-bidi.def

```

3530 \ProvidesFile{beamerouterthemesidebar-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for
3531 \bidi@csundef{beamer@@tmpop@frametitle@sidebar theme}
3532
3533 \bidi@csundef{beamer@@tmpop@headline@sidebar theme}
3534
3535 \bidi@csundef{beamer@@tmpop@sidebar left@sidebar theme}
3536
3537 \bidi@csundef{beamer@@tmpop@sidebar right@sidebar theme}
3538
3539 \ifdim\beamer@headheight>0pt
3540
3541 \defbeamertemplate*{frametitle}{sidebar theme}
3542 {%
3543   \nointerlineskip%
3544   \ifbeamer@plainframe%
3545     \hbox{\usebeamercolor[bg]{frametitle}%
3546       \@tempdima\paperwidth\advance\@tempdima-\beamer@sidebarwidth
3547       \hskip-\beamer@leftmargin\vrule height\beamer@headheight width\@tempdima\hskip-\bea
3548     \nointerlineskip%
3549   \fi%
3550   \vskip-\beamer@headheight%
3551   \vbox to \beamer@headheight{%
3552     \vfil
3553     \bidi@beamer@leftskip=-\beamer@leftmargin%
3554     \advance\bidi@beamer@leftskip by0.3cm%
3555     \bidi@beamer@rightskip=-\beamer@rightmargin%
3556     \advance\bidi@beamer@rightskip by0.3cm plus1fil%
3557     {\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframetitle\par
3558     \ifx\insertframesubtitle\@empty\else%
3559       {\usebeamercolor[fg]{framesubtitle}\usebeamerfont{framesubtitle}\strut\insertframes
3560     \fi%
3561     \vbox{}%
3562     \vskip-1em%
3563     \vfil

```



```

3564 }%
3565 }
3566
3567 \AtBeginDocument{%
3568   \setbeamertheme{frametitle}[sidebar theme]%
3569 }
3570
3571 \defbeamertheme*{headline}{sidebar theme}
3572 {%
3573   \begin{beamercolorbox}[wd=\paperwidth]{frametitle}
3574     \ifx\beamer@sidebarside\beamer@lefttext%
3575       \else%
3576         \hfill%
3577       \fi%
3578     \ifdim\beamer@sidebarwidth>0pt%
3579       \bgroup
3580       \usebeamercolor[bg]{logo}%
3581       \if@RTLmain
3582       \else
3583         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3584         \hskip-\beamer@sidebarwidth%
3585       \fi
3586       \hbox to \beamer@sidebarwidth{\hss\vbox to
3587         \beamer@headheight{\vss\hbox{\color{fg}\insertlogo}\vss}\hss}%
3588       \if@RTLmain
3589         \hskip-\beamer@sidebarwidth%
3590         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3591       \fi
3592       \egroup
3593     \else%
3594       \vrule width0pt height \beamer@headheight%
3595     \fi%
3596   \end{beamercolorbox}
3597 }
3598 \fi
3599
3600 \def\beamer@sidebarformat#1#2#3{%
3601 \if@RTL
3602   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,rightskip=#1,leftskip=1ex plus1fil,vmode]{
3603 \else
3604   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,leftskip=#1,rightskip=1ex plus1fil,vmode]{
3605 \fi
3606   \vbox{}%
3607   #3\par%
3608   \vbox{}%
3609   \vskip-1.5ex%
3610 \end{beamercolorbox}
3611 }
3612
3613 \ifdim\beamer@sidebarwidth>0pt
3614
3615 \AtBeginDocument{%
3616   \setbeamertheme{sidebar width \beamer@sidebarside=\beamer@sidebarwidth}%
3617 }

```



```

3618
3619 \defbeamertemplate*{sidebar \beamer@sidebarside}{sidebar theme}
3620 {
3621   \beamer@tempdim=\beamer@sidebarwidth%
3622   \advance\beamer@tempdim by -6pt%
3623   {\usebeamerfont{title in sidebar}%
3624     \vskip1.5em%
3625     \hskip3pt%
3626     \bgroup
3627     \usebeamercolor[fg]{title in sidebar}%
3628     \insertshorttitle[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3629     \vskip1.25em%
3630   }%
3631   {%
3632     \hskip3pt%
3633     \bgroup
3634     \usebeamercolor[fg]{author in sidebar}%
3635     \usebeamerfont{author in sidebar}%
3636     \insertshortauthor[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3637     \vskip1.25em%
3638   }%
3639   \insertverticalnavigation{\beamer@sidebarwidth}%
3640   \vfill
3641   \ifx\beamer@sidebarside\beamer@lefttext%
3642   \else%
3643     \usebeamercolor{normal text}%
3644     \llap{\usebeamertemplate***{navigation symbols}\hskip0.1cm}%
3645     \vskip2pt%
3646   \fi%
3647 }%
3648 \fi
3649

```

38 File beamerouterthemesplit-xetex-bidi.def

```

3650 \ProvidesFile{beamerouterthemesplit-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for be
3651 \bidi@csundef{beamer@@tmpop@footline@split theme}
3652
3653 \defbeamertemplate*{footline}{split theme}
3654 {%
3655   \leavevmode%
3656   \hbox{\if@RTL\begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm p
3657 \else
3658 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm plus1fill,rightsk
3659 \fi
3660   \usebeamerfont{author in head/foot}\insertshortauthor
3661   \end{beamercolorbox}%
3662   \if@RTL
3663     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm,leftskip=.3cm
3664 \else
3665     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm,rightskip=.3cm
3666 \fi
3667   \usebeamerfont{title in head/foot}\insertshorttitle\nobreak\hfill\bgroup\usebeamercolor
3668   \end{beamercolorbox}}%

```



```

3669 \vskip0pt%
3670 }
3671
3672

```

39 File beamerouterthemeshadow-xetex-bidi.def

```

3673 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/11 v0.3 bidi adaptations for b
3674 \pgfdeclarehorizontalshading[frametitle.bg,frametitle right.bg]{bidi@beamer@RTL@frametitles
3675 color(0pt)=(frametitle right.bg);
3676 color(\paperwidth)=(frametitle.bg)
3677 }
3678
3679 \newcommand*{\bidi@beamer@frametitleshade}{%
3680 \if@RTLmain
3681 \pgfuses shading{bidi@beamer@RTL@frametitleshade}%
3682 \else
3683 \pgfuses shading{beamer@frametitleshade}%
3684 \fi
3685 }
3686
3687 \bidi@csundef{beamer@@tmpop@frametitle@shadow theme}
3688
3689 \defbeamertemplate*{frametitle}{shadow theme}
3690 {%
3691 \nointerlineskip%
3692 \vskip-2pt%
3693 \hbox{\leavevmode
3694 \advance\beamer@leftmargin by -12bp%
3695 \advance\beamer@rightmargin by -12bp%
3696 \beamer@tempdim=\textwidth%
3697 \advance\beamer@tempdim by \beamer@leftmargin%
3698 \advance\beamer@tempdim by \beamer@rightmargin%
3699 \hskip-\Gm@lmargin\hbox{%
3700 \setbox\beamer@tempbox=\hbox{\begin{minipage}[b]{\paperwidth}%
3701 \vbox{\vskip-.75ex%
3702 \bidi@beamer@leftskip0.3cm%
3703 \bidi@beamer@rightskip0.3cm plus1fil\leavevmode
3704 \bgroup\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertfram
3705 \ifx\insertframesubtitle\@empty\else%
3706 {\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\insertframes
3707 \fi%
3708 \nointerlineskip
3709 \vbox{}}%
3710 \end{minipage}}}%
3711 \beamer@tempdim=\ht\beamer@tempbox%
3712 \advance\beamer@tempdim by 2pt%
3713 \begin{pgfpicture}{0pt}{0pt}{\paperwidth}{\beamer@tempdim}
3714 \begin{pgfscope}
3715 \pgfsetfillcolor{black}%
3716 \pgfpathrectangle{\pgfpoint{0pt}{-4pt}}{\pgfpoint{\paperwidth}{8pt}}%
3717 \pgfsetfading{beamer@topshadowmask}{}%
3718 \pgfusepath{fill}%
3719 \end{pgfscope}

```



```

3720     \begin{pgfscope}
3721         \usebeamercolor{frametitle right}%
3722         \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{\paperwidth}{\beamer@tempdim}}%
3723         \pgfusepath{clip}%
3724         \pgftext[left,base]{\bidi@beamer@frametitleshade}%
3725     \end{pgfscope}
3726 \end{pgfpicture}
3727 \hskip-\paperwidth%
3728 \box\beamer@tempbox%
3729 }%
3730 \hskip-\Gm@rmargin%
3731 }%
3732 \vskip-2pt
3733 }
3734
3735 \AtBeginDocument{%
3736     \setbeamertemplate{frametitle}[shadow theme]%
3737 }
3738
3739

```

40 File beamerouterthemesmoothbars-xetex-bidi.def

```

3740 \ProvidesFile{beamerouterthemesmoothbars-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations f
3741 \bidi@csundef{beamer@@tmpop@headline@smoothbars theme}
3742
3743 \bidi@csundef{beamer@@tmpop@frametitle@smoothbars theme}
3744
3745 \defbeamertemplate*{headline}{smoothbars theme}
3746 {%
3747     \pgfuses shading{beamer@barshade}%
3748     \vskip-0.05ex%
3749     \begin{beamer colorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3750     \begin{pgfpicture}
3751         \begin{pgfscope}%
3752             \ifbeamer@sb@subsection%
3753                 \pgfsetfillcolor{subsection in head/foot.bg}%
3754             \else%
3755                 \pgfsetfillcolor{section in head/foot.bg}%
3756             \fi%
3757             \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-.05ex}}{\pgfpoint{\paperwidth}{1ex}}%
3758             \pgfsetfading{beamer@belowframetitlemask}{}%
3759             \pgfusepath{fill}%
3760         \end{pgfscope}%
3761     \end{pgfpicture}%
3762     \end{beamer colorbox}%
3763     \ifbeamer@sb@subsection%
3764         \vskip-9.75ex%
3765     \else%
3766         \vskip-6.85ex%
3767     \fi%
3768     \begin{beamer colorbox}[ignorebg,ht=2.25ex,dp=3.75ex]{section in head/foot}
3769         \insertnavigation{\paperwidth}
3770     \end{beamer colorbox}%

```



```

3771 \ifbeamer@sb@subsection%
3772 \if@RTL
3773   \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3774     rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3775   \else
3776   \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3777     leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3778   \fi
3779   \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3780   \end{beamercolorbox}%
3781 \fi%
3782 }%
3783
3784 \defbeamertemplate*{frametitle}{smoothbars theme}
3785 {%
3786   \nointerlineskip%
3787   \vskip-0.19ex%
3788   \usebeamerfont{headline}%
3789   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=1ex,vmode]{empty}
3790     \pgfuses shading{beamer@aboveframetitle}%
3791   \end{beamercolorbox}%
3792   \vskip-1ex%
3793   \nointerlineskip%
3794   \if@RTL
3795   \begin{beamercolorbox}[wd=\paperwidth,rightskip=.3cm,leftskip=.3cm plus1fil,vmode]{framet
3796   \else
3797   \begin{beamercolorbox}[wd=\paperwidth,leftskip=.3cm,rightskip=.3cm plus1fil,vmode]{framet
3798   \fi
3799   \vskip0.5ex%
3800   \usebeamerfont*{frametitle}\strut\insertframetitle%
3801   \ifx\insertframesubtitle\@empty%
3802     \strut\par%
3803   \else
3804     \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insert
3805   \fi}%
3806   \usebeamerfont{headline}%
3807   \vskip0.05ex%
3808   \end{beamercolorbox}%
3809   \nointerlineskip%
3810   \vskip-0.05ex%
3811   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3812   \begin{pgfpicture}
3813     \begin{pgfscope}%
3814       \pgfsetfillcolor{frametitle.bg}%
3815       \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3816       \pgfsetfading{beamer@belowframetitlemask}{}%
3817       \pgfusepath{fill}%
3818     \end{pgfscope}%
3819   \end{pgfpicture}%
3820   \end{beamercolorbox}%
3821 }
3822
3823 \AtBeginDocument{%
3824   \setbeamertemplate{frametitle}[smoothbars theme]%

```



```

3825 }
3826
3827

```

41 File beamerouterthemesmoothtree-xetex-bidi.def

```

3828 \ProvidesFile{beamerouterthemesmoothtree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations f
3829 \bidi@csundef{beamer@tmpop@headline@smoothtree theme}
3830
3831 \bidi@csundef{beamer@tmpop@frametitle@smoothtree theme}
3832
3833 \defbeamertemplate*{headline}{smoothtree theme}
3834 {%
3835   \pgfuses shading{beamer@treeshade}%
3836   \vskip-0.05ex%
3837   \begin{beamer colorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3838   \begin{pgf picture}
3839     \begin{pgf scope}%
3840       \pgfset fillcolor{subsection in head/foot.bg}%
3841       \pgfpath rectangle{\pgf point{- .5\paperwidth}{-0.5ex}}{\pgf point{\paperwidth}{1ex}}%
3842       \pgfset fading{beamer@belowframetitlemask}{}%
3843       \pgfuse path{fill}%
3844     \end{pgf scope}%
3845   \end{pgf picture}%
3846   \end{beamer colorbox}%
3847   \vskip-9.15ex%
3848   \if@RTL
3849     \begin{beamer colorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3850       rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3851     \else
3852     \begin{beamer colorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3853       leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3854     \fi
3855     \usebeamerfont{title in head/foot}\insertshorttitle
3856   \end{beamer colorbox}
3857   \if@RTL
3858     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3859       rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3860     \else
3861     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3862       leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3863     \fi
3864     \usebeamerfont{section in head/foot}%
3865     \hskip6pt\insertsectionhead
3866   \end{beamer colorbox}
3867   \if@RTL
3868     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3869       rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3870     \else
3871     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3872       leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3873     \fi
3874     \usebeamerfont{subsection in head/foot}%
3875     \hskip12pt\insertsubsectionhead

```



```

3876 \end{beamercolorbox}
3877 \vskip-0.4ex%
3878 }
3879
3880 \defbeamertemplate*{frametitle}{smoothtree theme}
3881 {%
3882 \nointerlineskip%
3883 \vskip-0.05ex%
3884 \usebeamerfont{headline}%
3885 \begin{beamercolorbox}[wd=\paperwidth,ht=0.85ex,dp=0ex]{empty}
3886 \pgfuses shading{beamer@aboveframetitle}%
3887 \end{beamercolorbox}
3888 \nointerlineskip%
3889 \if@RTL
3890 \begin{beamercolorbox}[wd=\paperwidth,rightskip=.935cm,leftskip=.3cm plus1fil]{frametitle}
3891 \else
3892 \begin{beamercolorbox}[wd=\paperwidth,leftskip=.935cm,rightskip=.3cm plus1fil]{frametitle}
3893 \fi
3894 \vskip-1.2ex%
3895 \usebeamerfont*{frametitle}\strut\insertframetitle%
3896 \ifx\insertframesubtitle\@empty%
3897 \strut\par%
3898 \else
3899 \par{\usebeamerfont*{framesubtitle}\usebeamercolor[fg]{framesubtitle}\strut\insertframesubtitle}
3900 \fi%
3901 \usebeamerfont{headline}%
3902 \end{beamercolorbox}%
3903 \nointerlineskip
3904 \vskip-0.2ex%
3905 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3906 \begin{pgfpicture}
3907 \begin{pgfscope}%
3908 \pgfsetfillcolor{frametitle.bg}%
3909 \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3910 \pgfsetfading{beamer@belowframetitlemask}{}%
3911 \pgfusepath{fill}%
3912 \end{pgfscope}%
3913 \end{pgfpicture}%
3914 \end{beamercolorbox}%
3915 }
3916
3917
3918 \AtBeginDocument{%
3919 \setbeamertemplate{frametitle}[smoothtree theme]%
3920 }
3921
3922

```

42 File beamerouterthemetree-xetex-bidi.def

```

3923 \ProvidesFile{beamerouterthemetree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beamer]
3924 \bidi@csundef{beamer@tmpop@headline@tree theme}
3925
3926 \defbeamertemplate*{headline}{tree theme}

```



```

3927 {%
3928   \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{upper separation line head}
3929   \end{beamercolorbox}
3930   \if@RTL
3931     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3932       rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3933     \else
3934     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3935       leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3936     \fi
3937       \usebeamerfont{title in head/foot}\insertshorttitle
3938     \end{beamercolorbox}
3939   \if@RTL
3940     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3941       rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3942     \else
3943     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3944       leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3945     \fi
3946       \usebeamerfont{section in head/foot}%
3947       \ifbeamer@tree@showhooks
3948         \setbox\beamer@tempbox=\hbox{\insertsectionhead}%
3949         \ifdim\wd\beamer@tempbox>1pt%
3950           \hskip2pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height0.4pt}
3951           \hskip1pt%
3952         \fi%
3953       \else%
3954         \hskip6pt%
3955       \fi%
3956       \insertsectionhead
3957     \end{beamercolorbox}
3958   \if@RTL
3959     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3960       rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3961     \else
3962     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3963       leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3964     \fi
3965       \usebeamerfont{subsection in head/foot}%
3966       \ifbeamer@tree@showhooks
3967         \setbox\beamer@tempbox=\hbox{\insertsubsectionhead}%
3968         \ifdim\wd\beamer@tempbox>1pt%
3969           \hskip9.4pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height0.4pt}
3970           \hskip1pt%
3971         \fi%
3972       \else%
3973         \hskip12pt%
3974       \fi%
3975       \insertsubsectionhead
3976     \end{beamercolorbox}
3977     \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{lower separation line head}
3978     \end{beamercolorbox}
3979 }
3980

```



3981

43 File beamerthemeHannover-xetex-bidi.def

```
3982 \ProvidesFile{beamerthemeHannover-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for beam
3983 \AtBeginDocument{%
3984   \if@RTLmain
3985     \setbeamertemplate{frametitle}[default][left]%
3986   \else
3987     \setbeamertemplate{frametitle}[default][right]%
3988   \fi
3989 }
3990
3991
```

44 File beamerthemeSingapore-xetex-bidi.def

```
3992 \ProvidesFile{beamerthemeSingapore-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for bea
3993 \addtoheadtemplate{\pgfuses shading{beamer@headfade}\vskip-1.25cm}{ }
3994
3995 \beamertemplatedotitem
3996
3997 \AtBeginDocument{%
3998   \setbeamertemplate{frametitle}[default][center]%
3999 }
4000
4001
```

45 File bidi.sty

```
4002 \NeedsTeXFormat{LaTeX2e}
4003 \def\bididate{2024/12/07}
4004 \def\bidi@version{39.9}
4005 \def\bidi@releasename{John Torrence Tate, Jr.}
4006 \newcommand*{\bidi@releasename}{\bidi@releasename}
4007 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space (Release \bidi@releasename)\spa
4008 Bidirectional typesetting in plain TeX and LaTeX]
4009 \edef\@bidi@info{*****^J%
4010 * ^J%
4011 * bidi package (Bidirectional typesetting in^J%
4012 * plain TeX and LaTeX, using XeTeX engine)^J%
4013 * ^J%
4014 * Description: A convenient interface for^J%
4015 * typesetting bidirectional texts in plain TeX^J%
4016 * and LaTeX. The package includes adaptations^J%
4017 * for use with many other commonly-used packages.^J%
4018 * ^J%
4019 * Copyright (c) 2007--2024 Vafa Khalighi^J%
4020 * Copyright (c) 2018--2020 bidi-tex GitHub organization^J%
4021 * ^J%
4022 * v\bidi@version\space (Release \bidi@releasename), \bididate^J%
4023 * ^J%
4024 * License: LaTeX Project Public License, version^J%
4025 * 1.3c or higher (your choice)^J%
```



```

4026 * ^^J%
4027 * Location on CTAN: /macros/xetex/latex/bidi^^J%
4028 * ^^J%
4029 * Issue tracker: https://github.com/xepersian/bidi/issues^^J%
4030 * ^^J%
4031 * Discussions: https://github.com/xepersian/bidi/discussions^^J%
4032 * ^^J%
4033 * Primary author of bidi package: Vafa Khalighi.^^J%
4034 * ^^J%
4035 *****}
4036 \typeout{\@bidi@info}
4037 \edef\bidi@everyjob{\the\everyjob}
4038 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
4039 \newcommand*{\bidi@version}{\ensuremath\bidi@version}
4040 \newcommand*{\IfbidiPackageVersionLater}[1]{%
4041   \ifdim\bidi@version pt > #1 pt %
4042     \expandafter\@firstoftwo
4043   \else
4044     \expandafter\@secondoftwo
4045   \fi}
4046 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
4047   \ifdim\bidi@version pt < #1 pt %
4048     \expandafter\@firstoftwo
4049   \else
4050     \expandafter\@secondoftwo
4051   \fi}
4052 \newcommand*{\IfbidiPackageVersion}[1]{%
4053   \ifdim\bidi@version pt = #1 pt %
4054     \expandafter\@firstoftwo
4055   \else
4056     \expandafter\@secondoftwo
4057   \fi}
4058 \RequirePackage{iftex}
4059 \RequireXeTeX
4060 \RequirePackage{biditools}
4061 \RequirePackage{zref-abspage}
4062 \RequirePackage{auxhook}
4063 \RequirePackage{ltxcmds}
4064 \RequirePackage{xkeyval}
4065 \eqnewif{\if@RTLmain}{\if@rlmain}
4066 \eqnewif{\if@RTL}{\if@rl}
4067 \newif\if@nonlatin
4068 \newif\if@bidi@perpage@footnote
4069 \newcommand*{\setlatin}{\@nonlatinfalse}
4070 \newcommand*{\setnonlatin}{\@nonlatintrue}
4071 \eqnewif{\if@RTLtab}{\if@tab@rl}
4072 \newif\if@hboxRconstruct
4073 \newif\if@bidi@pdfencrypt
4074 \newcommand*{\setRTLtable}{\@RTLtabtrue}
4075 \newcommand*{\setLTRtable}{\@RTLtabfalse}
4076 \newif\if@bidi@pdfm@mark
4077 \newif\if@RTLmarginpar
4078 \newif\if@LTRmarginpar
4079 \newif\if@LTRbibitems

```



```

4080 \newif\if@RTLbibitems
4081 \newif\if@extrafootnotefeatures
4082 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
4083 \newif\if@bidi@list@minipage@parbox
4084 \newif\if@bidi@list@minipage@parbox@not@nob
4085 \newcommand*{\@bidi@pdfcreator}{%
4086   The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date
4087 }
4088 \newcommand*{\@bidi@pdfproducer}{%
4089   The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date
4090 }
4091 \newcommand*{\@bidi@pdfcustomproperties}{%
4092   This is the bidi package, Version \@bidi@version\space (Release \@bidi@releasename),
4093   Released December 7, 2024.
4094 }
4095 \newcommand*{\@bidi@beamer@ragged}{}
4096 \@RTLmainfalse
4097 \AtBeginDocument{%
4098   \if@RTLmain\else
4099     \if@RTL\@RTLmaintrue%
4100     \else\@RTLmainfalse%
4101     \fi%
4102   \fi%
4103 }
4104 \let\n@xt=\
4105 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
4106 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4107 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
4108 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4109 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4110   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4111 \newinsert\@bidi@copyins@
4112 \skip\@bidi@copyins@=12\p@
4113 \dimen\@bidi@copyins@=40pc
4114 \count\@bidi@copyins@=1000
4115 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
4116 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
4117   \if@RTLmain
4118     \if@twocolumn
4119       \hboxR to \columnwidth
4120     \else
4121       \hboxR to \textwidth
4122     \fi
4123   \else
4124     \if@twocolumn
4125       \hboxL to \columnwidth
4126     \else
4127       \hboxL to \textwidth
4128     \fi
4129   \fi
4130 }
4131 \newcommand*{\@bidi@logo}[1]{%
4132   \toks@{%
4133     \setbox\z@\hbox{%

```



```

4134     \special{%
4135         pdf:image width 50pt height 50pt (#1)%
4136     }
4137 }%
4138 \dp\z@\z@
4139 \ht\z@=50pt
4140 \wd\z@=50pt
4141 \beginL
4142     \lower20pt\box\z@
4143 \endL
4144 }%
4145 \the\toks@
4146 }
4147 \newcommand*{\@bidi@logo@}{%
4148     \@bidi@logo@hb@xt@columnwidth
4149     {\hss\LRE{\bfseries Typeset by the \textsf{bidi}
4150         package\quad\@bidi@logo{bidi-logo.pdf}}}}
4151 \define@key{bidi@pdfencrypt}{userpassword}[]{%
4152     \def\bidi@pdfencrypt@userpassword{#1}%
4153 }
4154 \define@key{bidi@pdfencrypt}{ownerpassword}[]{%
4155     \def\bidi@pdfencrypt@ownerpassword{#1}%
4156 }
4157 \define@key{bidi@pdfencrypt}{keylength}[128]{%
4158     \def\bidi@pdfencrypt@keylength{#1}%
4159 }
4160 \define@key{bidi@pdfencrypt}{permissionflags}[2052]{%
4161     \def\bidi@pdfencrypt@permissionflags{#1}%
4162 }
4163 \newcommand*{\pdfencryptsetup}{\setkeys{bidi@pdfencrypt}}
4164 \@onlypreamble\pdfencryptsetup
4165 \input{latex-xetex-bidi.def}
4166 \input{loadingorder-xetex-bidi.def}
4167 \define@choicekey{bidi.sty}{RTLdocument}{\bidi@tempa\bidi@tempb}{on,off}[on]{%
4168     \ifcase\bidi@tempb\relax
4169         \@RTLtrue
4170     \or
4171         \@RTLfalse
4172     \fi}
4173 \define@choicekey{bidi.sty}{documentdirection}{\bidi@tempa\bidi@tempb}{righttoleft,lefttoright}
4174 \ifcase\bidi@tempb\relax
4175     \@RTLtrue
4176 \or
4177     \@RTLfalse
4178 \fi}
4179 \define@choicekey{bidi.sty}{tabledirection}{\bidi@tempa\bidi@tempb}{righttoleft,lefttoright}
4180 \ifcase\bidi@tempb\relax
4181     \@RTLtabtrue
4182 \or
4183     \@RTLtabfalse
4184 \fi}
4185 \define@choicekey{bidi.sty}{script}{\bidi@tempa\bidi@tempb}{latin,nonlatin}[latin]{%
4186     \ifcase\bidi@tempb\relax
4187         \@nonlatinfalse

```



```

4188 \or
4189 \nonlatintrue
4190 \fi}
4191 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4192 \ifcase\bidi@tempb\relax
4193 \RTLtrue
4194 \or
4195 \RTLfalse
4196 \fi}
4197 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split}
4198 \ifcase\bidi@tempb\relax
4199 \autofootnoterule
4200 \or
4201 \leftfootnoterule
4202 \or
4203 \rightfootnoterule
4204 \or
4205 \SplitFootnoteRule
4206 \or
4207 \textwidthfootnoterule
4208 \fi}
4209 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
4210 \ifcase\bidi@tempb\relax
4211 \RTL@footnotetrue
4212 \or
4213 \RTL@footnotefalse
4214 \fi}
4215 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4216 \ifcase\bidi@tempb\relax
4217 \footdir@debugtrue
4218 \or
4219 \footdir@debugfalse
4220 \fi}
4221 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4222 \ifcase\bidi@tempb\relax
4223 \@extrafootnotefeaturestrue
4224 \or
4225 \@extrafootnotefeaturesfalse
4226 \fi}
4227
4228 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4229 \ifcase\bidi@tempb\relax
4230 \def\bidi@firstcolumn@status@write{%
4231 \protected@write\@auxout{}%
4232 {\string\bidi@column@status
4233 {1}}}%
4234 \def\bidi@lastcolumn@status@write{%
4235 \protected@write\@auxout{}%
4236 {\string\bidi@column@status{2}}}%
4237 \or
4238 \let\bidi@firstcolumn@status@write\relax
4239 \let\bidi@lastcolumn@status@write\relax
4240 \fi}
4241

```



```

4242 \define@choicekey{bidi.sty}{logo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4243   \ifcase\bidi@tempb\relax
4244     \AtBeginDocument{\@bidi@inslogo@}%
4245   \or
4246     \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
4247   \fi}
4248
4249 \define@choicekey{bidi.sty}{pdfinfo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4250   \ifcase\bidi@tempb\relax
4251     \@bidi@pdfm@marktrue
4252   \or
4253     \@bidi@pdfm@markfalse
4254   \fi}
4255
4256 % The `perpagefootnote' option is documented in UK TeX FAQ at
4257 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
4258
4259 \define@choicekey{bidi.sty}{perpagefootnote}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4260   \ifcase\bidi@tempb\relax
4261     \@bidi@perpage@footnotetrue
4262   \or
4263     \@bidi@perpage@footnotefalse
4264   \fi}
4265
4266 \ExecuteOptionsX{%
4267   DetectColumn=off%
4268 }
4269
4270 \ProcessOptionsX
4271
4272 \pdfencryptsetup{%
4273   userpassword,%
4274   ownerpassword,%
4275   keylength,%
4276   permissionflags%
4277 }
4278
4279 \if@extrafootnotefeatures
4280   \input{extrafootnotefeatures-xetex-bidi.def}
4281 \fi
4282 \newcount\bidi@digits
4283 \XeTeXinterchartokenstate=\@ne
4284 \newXeTeXintercharclass\bidi@digits@charclass
4285 \newXeTeXintercharclass\bidi@sepmark@charclass
4286 \XeTeXcharclass `\. \bidi@sepmark@charclass
4287 \XeTeXcharclass `\- \bidi@sepmark@charclass
4288 \bidi@digits=\`0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<10 \advance\bidi@digits by 1 \repeat
4289 \bidi@digits=\` \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<256 \advance\bidi@digits by 1 \repeat
4290 \bidi@digits=\` \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<65536 \advance\bidi@digits by 1 \repeat
4291 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterCharToks}
4292 \newcommand*\DigitsDotDashInterCharToks{\if@nonlatin\char"200F \fi}
4293 \bidi@AtEndPreamble{%
4294   \if@bidi@perpage@footnote
4295     \RequirePackage{bidi-perpage}%

```



```

4296 \ResetCounterPerPage{footnote}%
4297 \fi
4298 \ifx\bidipdfencrypt@ownerpassword\biditempty
4299 \ifx\bidipdfencrypt@userpassword\biditempty
4300 \@bidipdfencryptfalse
4301 \else
4302 \@bidipdfencrypttrue
4303 \fi
4304 \else
4305 \@bidipdfencrypttrue
4306 \fi
4307 \if@bidipdfencrypt
4308 \special{pdf:encrypt
4309     userpw (\bidipdfencrypt@userpassword)
4310     ownerpw (\bidipdfencrypt@ownerpassword)
4311     length \bidipdfencrypt@keylength
4312     perm \bidipdfencrypt@permissionflags
4313 }%
4314 \fi
4315 }
4316 \AtEndDocument{%
4317 \special{pdf:%
4318     docinfo<<%
4319     \if@bidipdfmark
4320     /Creator(\@bidipdfcreator)%
4321     /Producer(\@bidipdfproducer)%
4322     \fi
4323     /BIDI.Fullbanner(\@bidipdfcustomproperties)%
4324     \if@bidicsdef{\xepersian@pdfcustomproperties}{%
4325     /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4326     }{}%
4327     >>%
4328     }%
4329 }

```

46 File bidi.tex

```

4330 \def\bididate{2024/12/07}
4331 \catcode`@=11
4332 \def\bidiversion{39.9}
4333 \def\bidireleasename{John Torrence Tate, Jr.}
4334 \def\bidireleasename{\bidireleasename}
4335 \let \protect \relax
4336 \newlinechar`^^J
4337 \edef\@bidi@info{*****^^J%
4338 * ^^J%
4339 * bidi package (Bidirectional typesetting in^^J%
4340 * plain TeX and LaTeX, using XeTeX engine)^^J%
4341 * ^^J%
4342 * Description: A convenient interface for^^J%
4343 * typesetting bidirectional texts in plain TeX^^J%
4344 * and LaTeX. The package includes adaptations^^J%
4345 * for use with many other commonly-used packages.^^J%
4346 * ^^J%

```



```

4347 * Copyright (c) 2007--2024 Vafa Khalighi^^J%
4348 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
4349 * ^^J%
4350 * v\bidi@version\space (Release \bidi@releasename), \bididate^^J%
4351 * ^^J%
4352 * License: LaTeX Project Public License, version^^J%
4353 * 1.3c or higher (your choice)^^J%
4354 * ^^J%
4355 * Location on CTAN: /macros/xetex/latex/bidi^^J%
4356 * ^^J%
4357 * Issue tracker: https://github.com/xepersian/bidi/issues^^J%
4358 * ^^J%
4359 * Discussions: https://github.com/xepersian/bidi/discussions^^J%
4360 * ^^J%
4361 * Primary author of bidi package: Vafa Khalighi.^^J%
4362 * ^^J%
4363 *****}
4364 \message{\@bidi@info}
4365 \edef\bidi@everyjob{\the\everyjob}
4366 \everyjob{\bidi@everyjob\message{\@bidi@info}}
4367 \def\bidiversion{%
4368   \relax
4369   \ifmmode
4370     \bidi@version
4371   \else
4372     $\bidi@version$
4373   \fi
4374 }
4375 \input iftex.sty
4376 \RequireXeTeX
4377 \newif\if@bidi@pdfm@mark
4378 \newif\if@RTLmain
4379 \newif\if@RTL
4380 \newif\if@hboxRconstruct
4381 \newif\if@sentdir
4382 \newif\if@RTL@footnote
4383 \@RTLmainfalse
4384 \def\setRTLmain{%
4385   \if@RTLmain\else
4386     \if@RTL\@RTLmaintrue%
4387   \else\@RTLmainfalse%
4388   \fi%
4389   \fi%
4390 }
4391 \let\n@xt=\
4392 \protected\def\LRE{\protect\pLRE}%
4393 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4394 \protected\def\RLE{\protect\pRLE}
4395 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4396 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4397   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4398 \newinsert\@bidi@copyins@
4399 \skip\@bidi@copyins@=12\p@
4400 \dimen\@bidi@copyins@=40pc

```



```

4401 \count\@bidi@copyins@=1000
4402 \def\@bidi@inslogo@\insert\@bidi@copyins@\@bidi@logo@}
4403 \def\@bidi@logo@hb@xt@{%
4404   \if@RTLmain
4405     \hboxR to
4406   \else
4407     \hboxL to
4408   \fi
4409 }
4410 \def\@bidi@logo#1{%
4411   \toks@{%
4412     \setbox\z@\hbox{%
4413       \special{%
4414         pdf:image width 50pt height 50pt (#1)%
4415       }
4416     }%
4417     \dp\z@\z@
4418     \ht\z@=50pt
4419     \wd\z@=50pt
4420     \beginL
4421       \lower20pt\box\z@
4422     \endL
4423   }%
4424   \the\toks@
4425 }
4426 \def\@bidi@logo@\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@logo@}}
4427 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
4428 \def\@bidi@pdfcreator{%
4429   The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date
4430 }
4431 \def\@bidi@pdfproducer{%
4432   The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date
4433 }
4434 \def\@bidi@pdfcustomproperties{%
4435   This is the bidi package, Version \@bidi@version\space (Release \@bidi@releasename),
4436   Released December 7, 2024.
4437 }
4438 \def\bidi@pdfm@mark{%
4439   \special{pdf:
4440     docinfo<<%
4441     \if@bidi@pdfm@mark
4442       /Creator(\@bidi@pdfcreator)%
4443       /Producer(\@bidi@pdfproducer)%
4444     \fi
4445     /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4446     >>%
4447   }%
4448 }
4449 \def\bidi@pdfinfoon{\@bidi@pdfm@marktrue}
4450 \def\bidi@pdfinfooff{\@bidi@pdfm@markfalse}
4451 \input plain-xetex-bidi.def
4452 \@bidi@inslogo@
4453 \outer\def\bye{\par\vfill\supereject\bidi@pdfm@mark\end}
4454 \catcode\@=12

```



4455 \bidipdfinfoon

47 File bidi2in1.sty

```
4456 \NeedsTeXFormat{LaTeX2e}
4457 \ProvidesPackage{bidi2in1}
4458 \pagestyle{plain}
4459 \newcount\evenpage
4460 \newcount\oddpge
4461 \twocolumn
4462 \def\@oddfoot{\evenpage=\thepage%
4463 \multiply\evenpage by 2%
4464 \oddpge=\the\evenpage%
4465 \advance\oddpge by -1%
4466 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
4467 \def\@evenfoot{\evenpage=\thepage%
4468 \multiply\evenpage by 2%
4469 \oddpge=\the\evenpage%
4470 \advance\oddpge by -1%
4471 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
4472 \textwidth 9.49in
4473 \textheight 6.7in
4474 \columnsep 0.9in
4475 \columnseprule 0.125pt
4476 \headheight 0cm
4477 \topmargin 0in
4478 \marginparwidth 0in
4479 \marginparsep 0in
4480 \hoffset 0.05in % Corrected
4481 \voffset -0.5in %top margin space is 1.0in by default
4482 \oddsidemargin 0in
4483 \evensidemargin 0in
4484 \headsep 0cm
4485 \topskip 0cm
4486 \parskip 0.15in %
4487 \headsep 0pt
4488 \special{papersize=11.69in,8.26in}
4489 \renewcommand\maketitle{\par
4490 \begingroup
4491 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
4492 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
4493 \long\def\@makefntext##1{\parindent 1em\noindent
4494 \hb@xt@1.8em{%
4495 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
4496 \@maketitle
4497 \@thanks
4498 \endgroup
4499 \setcounter{footnote}{0}%
4500 \global\let\thanks\relax
4501 \global\let\maketitle\relax
4502 \global\let\@maketitle\relax
4503 \global\let\@thanks\@empty
4504 \global\let\@author\@empty
4505 \global\let\@date\@empty
```



```

4506 \global\let\@title\@empty
4507 \global\let\title\relax
4508 \global\let\author\relax
4509 \global\let\date\relax
4510 \global\let\and\relax
4511 }

```

48 File `bidicode.sty`

```

4512 \NeedsTeXFormat{LaTeX2e}
4513 \ProvidesPackage{bidicode}
4514 \RequirePackage{xcolor}
4515 \RequirePackage{showexpl}
4516 \definecolor{hellgelb}{rgb}{1,1,0.85}
4517 \definecolor{colKeys}{rgb}{0,0,1}
4518 \definecolor{colCS}{rgb}{0,0,1}
4519 \definecolor{colIdentifier}{rgb}{0,0,0}
4520 \definecolor{colComments}{rgb}{1,0,0}
4521 \definecolor{colString}{rgb}{0,0.5,0}
4522 \lstset{%
4523     language=[LaTeX]TeX,%
4524     float=hbp,%
4525     basicstyle=\ttfamily\small,%
4526     identifierstyle=\color{colIdentifier},%
4527     keywordstyle=\color{colKeys},%
4528     texcsstyle=\color{colCS},%
4529     stringstyle=\color{colString},%
4530     commentstyle=\color{colComments},%
4531     backgroundcolor=\color{hellgelb},%
4532     columns=flexible,%
4533     tabsize=4,%
4534     extendedchars=true,%
4535     showspaces=false,%
4536     showstringspaces=false,%
4537     numbers=left,%
4538     numbersep=0.9em,%
4539     numberstyle=\tiny,%
4540     frame=single,%
4541     captionpos=b,%
4542     xleftmargin=1em,%
4543     breaklines=true,%
4544     breakautoindent=false,%
4545     breakindent=0pt,%
4546     escapeinside=**,%
4547     pos=r,%
4548     explpreset={%
4549         xleftmargin=1em,%
4550         columns=flexible,%
4551         language=[LaTeX]TeX%
4552     },%
4553     moretexcs={%
4554         bididate,%
4555         bidiversion,%
4556         deflatinfont,%

```



```

4557     defpersianfont,%
4558     ding,%
4559     endLTR,%
4560     endRTL,%
4561     false,%
4562     falsesymbol,%
4563     junicode,%
4564     lr,%
4565     LR,%
4566     LRE,%
4567     LTR,%
4568     maketitle,%
4569     Nastaliq,%
4570     newfontfamily,%
4571     Parsifont,%
4572     part,%
4573     RL,%
4574     RLE,%
4575     RTL,%
4576     RTLcases,%
4577     SepMark,%
4578     setLR,%
4579     setLTR,%
4580     setRL,%
4581     setRTL,%
4582     settextfont,%
4583     subsection,%
4584     subsubsection,%
4585     tableofcontents,%
4586     text,%
4587     theequation,%
4588     thesection,%
4589     true,%
4590     truesymbol,%
4591     XePersian,%
4592     xepersiandate,%
4593     xepersianversion%
4594 }%
4595 }
4596 \newcommand\HLON{%
4597   \gdef\lst@alloverstyle##1{%
4598     \fboxrule=0pt
4599     \fboxsep=0pt
4600     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
4601   }}
4602 \newcommand\HLOFF{%
4603   \xdef\lst@alloverstyle##1{##1}%
4604 }
4605 \newcommand\Larg [1]{\normalfont\itshape#1\;}
4606 \newcommand\Larga[1]{\langle$\Larg{#1}$\rangle$}
4607 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
4608 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
4609 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
4610 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}

```



```

4611 \newcommand\LEND[1]{\{\normalfont\ttfamily\bs{}\end\lcb#1\rcb\}}
4612
4613 \DeclareRobustCommand\bs{\{\normalfont\ttfamily\symbol{92}\}}
4614 \DeclareRobustCommand\lcb{\{\normalfont\ttfamily\char`\{\}}
4615 \DeclareRobustCommand\rcb{\{\normalfont\ttfamily\char`\}\}}
4616 \DeclareRobustCommand\lsb{\{\normalfont\ttfamily[]\}}
4617 \DeclareRobustCommand\rsb{\{\normalfont\ttfamily[]\}}
4618 \DeclareRobustCommand\lrb{\{\normalfont\ttfamily{}\}}
4619 \DeclareRobustCommand\rrb{\{\normalfont\ttfamily{}\}}
4620
4621 \def\Lcs#1{\nxLcs{#1}}
4622 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
4623 \def\nxLcs#1{\texttt{\symbol{92}#1}}
4624
4625 \def\Coordx#1{$x_{#1}$}
4626 \def\Coordy#1{$y_{#1}$}
4627 \def\Coordz#1{$z_{#1}$}
4628 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
4629 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
4630 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
4631 \def\CAny{\Coordx{}},\kern 1pt\Coordy{}
4632 \def\CIIIAny{\Coordx{}},\kern 1pt\Coordy{},\kern 1pt\Coordz{}
4633 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
4634 \def\coordin{(\Coordx{n},\kern 1pt\Coordy{n})}
4635 \def\coordi#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
4636 \def\coordx#1{($x_{#1}$)}
4637 \def\coordy#1{($y_{#1}$)}
4638 \def\coordz#1{($z_{#1}$)}
4639 \def\cAny{(\Coordx{}},\kern 1pt\Coordy{})}
4640 \def\ciiAny{(\Coordx{}},\kern 1pt\Coordy{},\kern 1pt\Coordz{})}
4641
4642 \newsavebox{\boxdef}
4643 \newenvironment{BDef}
4644   {\begin{lrbox}\boxdef
4645     \def\arraystretch{1.0}
4646     \begin{tabular}{@{}l@{}l@{}l@{}}
4647   }
4648   {\end{tabular}\end{lrbox}}
4649
4650   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
4651   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4652 }
4653
4654 \newenvironment{BDef*}
4655   {\begin{lrbox}\boxdef
4656     \def\arraystretch{1.0}
4657     \begin{tabular}{@{}l@{}l@{}l@{}}
4658   }
4659   {\end{tabular}\end{lrbox}}
4660   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
4661   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4662 }
4663 \newenvironment{BCmd}{
4664   \@beginparpenalty-\@lowpenalty

```



```

4665 \topsep\BDefaboveskip
4666 \fboxsep3pt
4667 \flushleft}
4668 {\@endparpenalty\@M
4669 \topsepadd\BDefbelowskip
4670 \endflushleft}
4671
4672 \newenvironment{BCmd*}{
4673 \@beginparpenalty\@M
4674 \topsep\BDefinlineskip
4675 \fboxsep3pt
4676 \flushleft}
4677 {\@endparpenalty5000
4678 \endflushleft}
4679
4680 \newskip\BDefaboveskip
4681 \newskip\BDefbelowskip
4682 \newskip\BDefinlineskip
4683 \setlength\BDefaboveskip{10pt plus 4pt}
4684 \setlength\BDefbelowskip{6pt}
4685 \setlength\BDefinlineskip{6pt}
4686
4687 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
4688 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
4689 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
4690 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

49 File bidiftnxtra.sty

```

4691 \NeedsTeXFormat{LaTeX2e}
4692 \ProvidesPackage{bidiftnxtra}
4693 \newtoks\bidip@ftn
4694 \let\FN@sff@footnote\footnote
4695 \let\FN@sff@LTRfootnote\LTRfootnote
4696 \let\FN@sff@RTLfootnote\RTLfootnote
4697 \def\footnote{\ifx\protect\@typeset@protect
4698 \expandafter\FN@sff@footnote
4699 \else
4700 \expandafter\FN@sff@gobble@opt
4701 \fi
4702 }
4703 \def\LTRfootnote{\ifx\protect\@typeset@protect
4704 \expandafter\FN@sff@LTRfootnote
4705 \else
4706 \expandafter\FN@sff@gobble@opt
4707 \fi
4708 }
4709 \def\RTLfootnote{\ifx\protect\@typeset@protect
4710 \expandafter\FN@sff@RTLfootnote
4711 \else
4712 \expandafter\FN@sff@gobble@opt
4713 \fi
4714 }
4715 \edef\FN@sff@gobble@opt{\noexpand\protect

```



```

4716 \expandafter\noexpand\csname FN@sfgobble@opt \endcsname}
4717 \expandafter\def\csname FN@sfgobble@opt \endcsname{%
4718 \@ifnextchar [%]
4719 \FN@sfgobble@twobracket
4720 \@gobble
4721 }
4722 \def\FN@sfgobble@twobracket[#1]#2{}
4723 \let\FN@sfgobble@footnotemark\footnotemark
4724 \def\footnotemark{\ifx\protect\@typeset@protect
4725 \expandafter\FN@sfgobble@footnotemark
4726 \else
4727 \expandafter\FN@sfgobble@optonly
4728 \fi
4729 }
4730 \edef\FN@sfgobble@optonly{\noexpand\protect
4731 \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
4732 \expandafter\def\csname FN@sfgobble@optonly \endcsname{%
4733 \@ifnextchar [%]
4734 \FN@sfgobble@bracket
4735 {}%
4736 }
4737 \def\FN@sfgobble@bracket[#1]{}
4738 \def\@tabular{%
4739 \leavevmode \hbox \bgroup
4740 \let\@footnotetext\@bidi@p@ftntext
4741 \let\@LTRfootnotetext\@bidi@p@LTRftntext
4742 \let\@RTLfootnotetext\@bidi@p@RTLftntext
4743 \let\@xfootnotenext\@bidi@p@xftntext
4744 \let\@xfootnote\@bidi@p@xfootnote
4745 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4746 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4747 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
4748 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
4749 \if@RTLtab\beginR \fi
4750 $\let\@acol\@tabacol
4751 \let\@classz\@tabclassz
4752 \let\@classiv\@tabclassiv \let\\ \@tabularcr \@tabarray}
4753 \def\endtabular{\@crr\egroup\if@RTLtab\egroup\endR\egroup\fi
4754 \egroup $\if@RTLtab\endR\fi\egroup
4755 \ifx\@capttype\@undefined
4756 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
4757 \long\def\@bidi@p@ftntext#1{%
4758 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
4759 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
4760 \long\def\@bidi@p@LTRftntext#1{%
4761 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
4762 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
4763 \long\def\@bidi@p@RTLftntext#1{%
4764 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
4765 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
4766
4767
4768 \long\def\@bidi@p@xftntext[#1]#2{%
4769 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}

```



```

4770
4771 \long\def\bidip@xLTRftntext[#1]#2{%
4772   \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
4773
4774 \long\def\bidip@xRTLftntext[#1]#2{%
4775   \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
4776
4777
4778 \def\bidip@xfootnote[#1]{%
4779   \begingroup
4780     \csname c@%mpfn\endcsname #1\relax
4781     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4782   \endgroup
4783   \@footnotemark\bidip@xftntext[#1]}
4784
4785
4786 \def\bidip@xLTRfootnote[#1]{%
4787   \begingroup
4788     \csname c@%mpfn\endcsname #1\relax
4789     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4790   \endgroup
4791   \@footnotemark\bidip@xLTRftntext[#1]}
4792
4793
4794 \def\bidip@xRTLfootnote[#1]{%
4795   \begingroup
4796     \csname c@%mpfn\endcsname #1\relax
4797     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4798   \endgroup
4799   \@footnotemark\bidip@xRTLftntext[#1]}
4800
4801 \def\@xfloat #1[#2]{%
4802   \@nodocument
4803   \def \@capttype {#1}%
4804   \def \@fps {#2}%
4805   \@onelevel@sanitize \@fps
4806   \def \reserved@b {!}%
4807   \ifx \reserved@b \@fps
4808     \@fpsadddefault
4809   \else
4810     \ifx \@fps \@empty
4811       \@fpsadddefault
4812     \fi
4813   \fi
4814   \ifhmode
4815     \@bsphack
4816     \@floatpenalty -\@Mii
4817   \else
4818     \@floatpenalty-\@Miii
4819   \fi
4820   \ifinner
4821     \@parmoderr\@floatpenalty\z@
4822   \else
4823     \@next\@currbox\@freelist

```



```

4824 {%
4825 \@tempcnta \sixt@@n
4826 \expandafter \@tfor \expandafter \reserved@a
4827 \expandafter : \expandafter = \@fps
4828 \do
4829 {%
4830 \if \reserved@a h%
4831 \ifodd \@tempcnta
4832 \else
4833 \advance \@tempcnta \@ne
4834 \fi
4835 \fi
4836 \if \reserved@a t%
4837 \@setfpsbit \tw@
4838 \fi
4839 \if \reserved@a b%
4840 \@setfpsbit 4%
4841 \fi
4842 \if \reserved@a p%
4843 \@setfpsbit 8%
4844 \fi
4845 \if \reserved@a !%
4846 \ifnum \@tempcnta>15
4847 \advance \@tempcnta -\sixt@@n\relax
4848 \fi
4849 \fi
4850 }%
4851 \@tempcntb \csname ftype@\@cuptype \endcsname
4852 \multiply \@tempcntb \@xxxii
4853 \advance \@tempcnta \@tempcntb
4854 \global \count\@currbox \@tempcnta
4855 }%
4856 \@fltovf
4857 \fi
4858 \global \setbox\@currbox
4859 \color@vbox
4860 \normalcolor
4861 \vbox \bgroup
4862 \let\@footnotetext\@bidi@p@ftntext
4863 \let\@LTRfootnotetext\@bidi@p@LTRftntext
4864 \let\@RTLfootnotetext\@bidi@p@RTLftntext
4865 \let\@xfootnotenext\@bidi@p@xftntext
4866 \let\@xfootnote\@bidi@p@xfootnote
4867 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4868 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4869 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
4870 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
4871 \hsize\columnwidth
4872 \@parboxrestore
4873 \@floatboxreset
4874 }
4875 \def \@endfloatbox{%
4876 \par\vskip\z@skip %% \par\vskip\z@ added 15 Dec 87
4877 \@minipagefalse

```



```

4878     \outer@nobreak
4879     \egroup                %% end of vbox
4880     \global\bidip@p@ftn\expandafter{\expandafter}\the\bidip@p@ftn
4881     \color@endbox
4882 }

```

50 File `bidimoderncv.cls`

```

4883 \NeedsTeXFormat{LaTeX2e}
4884 \ProvidesClass{bidimoderncv}
4885 \newif\if@DEBUG\@DEBUGfalse
4886 \DeclareOption{a4paper}{
4887   \setlength\paperheight{297mm}
4888   \setlength\paperwidth{210mm}}
4889 \DeclareOption{a5paper}{
4890   \setlength\paperheight{210mm}
4891   \setlength\paperwidth{148mm}}
4892 \DeclareOption{b5paper}{
4893   \setlength\paperheight{250mm}
4894   \setlength\paperwidth{176mm}}
4895 \DeclareOption{letterpaper}{
4896   \setlength\paperheight{11in}
4897   \setlength\paperwidth{8.5in}}
4898 \DeclareOption{legalpaper}{
4899   \setlength\paperheight{14in}
4900   \setlength\paperwidth{8.5in}}
4901 \DeclareOption{executivepaper}{
4902   \setlength\paperheight{10.5in}
4903   \setlength\paperwidth{7.25in}}
4904 \DeclareOption{landscape}{
4905   \setlength\@tempdima{\paperheight}
4906   \setlength\paperheight{\paperwidth}
4907   \setlength\paperwidth{\@tempdima}}
4908 \newcommand\@ptsize{}
4909 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
4910 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
4911 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
4912 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
4913 \DeclareOption{final}{\setlength\overfullrule{0pt}}
4914 \newif\if@colour\@colourtrue
4915 \DeclareOption{nocolour}{\@colourfalse}
4916 \ExecuteOptions{a4paper,11pt,colour,final}
4917 \ProcessOptions\relax
4918 \input{size1\@ptsize.clo}
4919 \RequirePackage{color}
4920 \RequirePackage{graphicx}
4921 \RequirePackage{ifthen}
4922 \RequirePackage{marvosym}
4923 \addtolength{\oddsidemargin}{-54pt}
4924 \addtolength{\textwidth}{109pt}
4925 \addtolength{\topmargin}{-70pt}
4926 \addtolength{\textheight}{122pt}
4927 \addtolength{\marginparsep}{-5pt}
4928 \addtolength{\marginparwidth}{-10pt}

```



```

4929 \RequirePackage{url}
4930 \RequirePackage{hyperref}
4931 \hypersetup{%
4932   breaklinks,
4933   baseurl      = http://,%
4934   pdfborder    = 0 0 0,%
4935   pdfpagemode  = UseNone,%
4936   pdfstartpage = 1}
4937 \AtEndOfClass{%
4938   \AtBeginDocument{%
4939     \hypersetup{%
4940       pdfauthor      = \@firstname~\@familyname,%
4941       pdftitle       = \@title,%
4942       pdfsubject     = \@firstname~\@familyname,%
4943       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
4944 \urlstyle{tt}
4945 \RequirePackage{fancyhdr}
4946 \fancypagestyle{plain}{%
4947   \renewcommand{\headrulewidth}{0pt}
4948   \renewcommand{\footrulewidth}{0pt}
4949   \fancyhf{}}
4950 \pagestyle{plain}
4951 \setlength\lineskip{1\p@}
4952 \setlength\normallineskip{1\p@}
4953 \renewcommand\baselinestretch{}
4954 \setlength{\parindent}{0pt}
4955 \setlength{\parskip}{0pt}
4956 \setlength\columnsep{10\p@}
4957 \setlength\columnseprule{0\p@}
4958 \pagestyle{empty}
4959 \pagenumbering{arabic}
4960 \raggedbottom
4961 \onecolumn
4962 \providecommand*\listitemsymbol{\textbullet}
4963 \providecommand*\addresssymbol{}
4964 \providecommand*\mobilesymbol{\Mobilefone}
4965 \providecommand*\phonesymbol{\Telefon}
4966 \providecommand*\faxsymbol{\FAX}
4967 \providecommand*\emailsymbol{\Letter}
4968 \definecolor{firstnamecolour}{rgb}{0,0,0}
4969 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
4970 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
4971 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
4972 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
4973 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
4974 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
4975 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
4976 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
4977 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
4978 \providecommand*\firstnamefont{}
4979 \providecommand*\familynamefont{}
4980 \providecommand*\titlefont{}
4981 \providecommand*\addressfont{}
4982 \providecommand*\quotefont{}

```



```

4983 \providecommand*\sectionfont{}
4984 \providecommand*\subsectionfont{}
4985 \providecommand*\hintfont{}\small
4986 \providecommand*\firstnamestyle}[1]{\{\firstnamefont\@firstnamecolour#1\}}
4987 \providecommand*\familynamestyle}[1]{\{\familynamefont\@familynamecolour#1\}}
4988 \providecommand*\titlestyle}[1]{\{\titlefont\@titlecolour#1\}}
4989 \providecommand*\addresstyle}[1]{\{\addressfont\@addresscolour#1\}}
4990 \providecommand*\quotestyle}[1]{\{\quote\font\@quotecolour#1\}}
4991 \providecommand*\sectionstyle}[1]{\{\sectionfont\@sectiontitlecolour#1\}}
4992 \providecommand*\subsectionstyle}[1]{\{\subsectionfont\@subsectioncolour#1\}}
4993 \providecommand*\hintstyle}[1]{\{\hintfont\@hintcolour#1\}}
4994 \newcommand*\cvtheme}[2][{}{
4995   \def\@cvtheme{#2}
4996   \def\@cvthemeoptions{#1}}
4997 \cvtheme{bidi-casual}
4998 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
4999 \newcommand*\resumename}[1]{\def\@resumename{#1}}
5000 \newcommand*\firstname}[1]{\def\@firstname{#1}}
5001 \newcommand*\familyname}[1]{\def\@familyname{#1}}
5002 \renewcommand*\title}[1]{\def\@title{#1}}
5003 \newcommand*\address}[1]{\def\@address{#1}}
5004 \newcommand*\mobile}[1]{\def\@mobile{#1}}
5005 \newcommand*\phone}[1]{\def\@phone{#1}}
5006 \renewcommand*\fax}[1]{\def\@fax{#1}}
5007 \newcommand*\email}[1]{\def\@email{#1}}
5008 \newcommand*\extrainfo}[1]{\def\@extrainfo{#1}}
5009 \def\@photowidth{0pt}
5010 \newcommand*\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
5011 \newcommand*\quote}[1]{\def\@quote{#1}}
5012 \newlength{\quotewidth}
5013 \newlength{\hintscolumnwidth}
5014 \newlength{\separatorcolumnwidth}
5015 \setlength{\separatorcolumnwidth}{0.025\textwidth}
5016 \newlength{\maincolumnwidth}
5017 \newlength{\doubleitemmaincolumnwidth}
5018 \newlength{\listitemsymbolwidth}
5019 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}
5020 \newlength{\listitemmaincolumnwidth}
5021 \newlength{\listdoubleitemmaincolumnwidth}
5022 \newcommand*\recomputethemelengths{}
5023 \newcommand*\recomputelengths{%
5024   \setlength{\quotewidth}{0.65\textwidth}%
5025   \setlength{\maincolumnwidth}{\textwidth}%
5026   \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
5027   \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
5028   \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
5029   \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
5030   \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
5031   \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
5032   \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
5033   \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
5034   \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
5035   \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
5036   \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%

```



```

5037 \renewcommand{\headwidth}{\textwidth}%
5038 \recomputethemelengths}
5039 \setlength{\hintscolumnwidth}{0.15\textwidth}
5040 \recomputelengths
5041 \title{}
5042 \renewcommand*{\maketitle}{}
5043 \newcommand*{\section}[1]{%
5044 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
5045 \phantomsection}%
5046 \addcontentsline{toc}{part}{#1}%
5047 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
5048 \hspace{\separatorcolumnwidth}%
5049 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]}
5050 \newcommand*{\subsection}[1]{%
5051 \cvline[0.45em]{\subsectionstyle{#1}}
5052 \newcommand*{\cvline}[3][.25em]{%
5053 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}
5054 \bidi@raggedleft\hintfont{#2} &{#3}%
5055 \end{tabular}\[\[1]}
5056 \newcommand*{\cvdoubleitem}[4]{%
5057 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
5058 \hfill%
5059 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{
5060 \newcommand*{\cvlistitem}[2][\listitemsymbol{}]{%
5061 \cvline[0pt]{\#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}
5062 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol{}]{%
5063 \cvline[0pt]{\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
5064 \hfill%
5065 \ifthenelse{\equal{#3}{} }%
5066 {}%
5067 {\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}}
5068 \newcommand*{\cventry}[6]{%
5069 \cvline{#1}{%
5070 {\bfseries#2}%
5071 \ifx#3\else{, {\slshape#3}}\fi%
5072 \ifx#4\else{, #4}\fi%
5073 \ifx#5\else{, #5}\fi%
5074 .%
5075 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
5076 }%
5077 \newcommand*{\cvlanguage}[3]{%
5078 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{
5079 \newcommand*{\cvcomputer}[4]{%
5080 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
5081 \newcommand*{\link}[2][{}]{%
5082 \ifthenelse{\equal{#1}{} }%
5083 {\href{#2}{#2}}%
5084 {\href{#2}{#1}}}
5085 \newcommand*{\httplink}[2][{}]{%
5086 \ifthenelse{\equal{#1}{} }%
5087 {\href{http://#2}{#2}}%
5088 {\href{http://#2}{#1}}}
5089 \newcommand*{\emailink}[2][{}]{%
5090 \ifthenelse{\equal{#1}{} }%

```



```

5091     {\href{mailto:#2}{#2}}%
5092     {\href{mailto:#2}{#1}}}%
5093 \newif\if@displaypagenumbers\@displaypagenumberstrue
5094 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
5095 \AtBeginDocument{%
5096   \if@displaypagenumbers%
5097     \@ifundefined{r@lastpage}{\fi}{%
5098       \ifthenelse{\pageref{lastpage} > 1}{%
5099         \fancypagestyle{plain}{%
5100           \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pa
5101             \pagestyle{plain}}}%}%
5102   \AtEndDocument{\label{lastpage}}}%
5103   \fi}
5104 \newlength{\bibindent}
5105 \setlength{\bibindent}{1.5em}
5106 \newcommand*{\bibliographyitemlabel}{\includegraphics{bidi-bibitem.pdf}}
5107 \newenvironment{thebibliography}[1]{%
5108   {%
5109     \section{\refname}%
5110     \small%
5111     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5112     \bidi@thebibliography@font@hook%
5113     \begin{list}{\bibliographyitemlabel}%
5114       {%
5115         \setlength{\topsep}{0pt}%
5116         \setlength{\labelwidth}{\hintscolumnwidth}%
5117         \setlength{\labelsep}{\separatorcolumnwidth}%
5118         \leftmargin\labelwidth%
5119         \advance\leftmargin\labelsep%
5120         \@openbib@code%
5121         \usecounter{enumiv}%
5122         \let\p@enumiv\@empty%
5123         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
5124         \sloppy\clubpenalty4000\widowpenalty4000%
5125       }%
5126     {%
5127       \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
5128       \end{list}%
5129     }
5130 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
5131 \let\@openbib@code\@empty

```

51 File bidi-perpage.sty

```

5132 \NeedsTeXFormat{LaTeX2e}
5133 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
5134 \newcount\bidi@page@count
5135 \bidi@page@count\@one
5136 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
5137   \if@bidi@csundef\bidi@stepcounterhook@#2}{%
5138     \expandafter\gdef\csname bidi@stepcounterhook@#2\endcsname{}%
5139   }{}%
5140   \if@bidi@csundef\if@bidi@reset@#2@rerun}{%
5141     \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname

```



```

5142 }{}%
5143 \if@bidi@csundef{bidi@#2@count}{%
5144   \expandafter\newcount\csname bidi@#2@count\endcsname
5145 }{}%
5146 \csname bidi@#2@count\endcsname\z@
5147 \if@bidi@csundef{bidi@previous@page@@#2@count}{%
5148   \expandafter\newcount\csname
5149     bidi@previous@page@@#2@count\endcsname
5150 }{}%
5151 \csname bidi@previous@page@@#2@count\endcsname\z@
5152 \if@bidi@csundef{bidi@reset@#2@perpage}{%
5153   \bidi@AfterEndDocumentCheckLabelsRerun{%
5154     \csname if@bidi@reset@#2@rerun\endcsname
5155     \PackageWarningNoLine{bidi-perpage}{%
5156       Counter `#2' may not have been reset per page.
5157       Rerun to reset counter `#2' per page%
5158     }%
5159   \fi
5160 }%
5161 }{}%
5162 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
5163   \global\advance\csname bidi@#2@count\endcsname\@ne
5164   \if@filesw
5165     \edef\@tempa{%
5166       \write\@auxout{%
5167         \string\bidi@counter@page{#2}%
5168         {\number\csname bidi@#2@count\endcsname}%
5169         {\noexpand\number\noexpand\bidi@page@count}%
5170       }%
5171     }%
5172     \@tempa
5173   \fi
5174   \begingroup\expandafter\expandafter\expandafter\endgroup
5175   \expandafter\ifx\csname bidi@#2@@\number\csname
5176     bidi@#2@count\endcsname\endcsname\relax
5177     \global\csname @bidi@reset@#2@reruntrue\endcsname
5178   \else
5179     \global\csname @bidi@reset@#2@rerunfalse\endcsname
5180     \expandafter\@tempcnta\csname bidi@#2@@\number
5181     \csname bidi@#2@count\endcsname\endcsname\relax
5182     \ifnum\@tempcnta=\csname
5183       bidi@previous@page@@#2@count\endcsname
5184     \else
5185       \global\csname
5186         bidi@previous@page@@#2@count\endcsname\@tempcnta
5187       \global\csname c@#2\endcsname#1\relax
5188     \fi
5189   \fi
5190 }%
5191 \expandafter\bidi@gappto\csname
5192 bidi@stepcounterhook@@#2\endcsname{%
5193   \csname bidi@reset@#2@perpage\endcsname
5194 }%
5195 }

```



```

5196 \def\bidicounter@page#1#2#3{\bidinamegdef{bidi@#1@#2}{#3}}
5197 \bidi@AtEndOutputPage{%
5198   \global\advance\bidicounter@page@count\@ne
5199 }

```

52 File biditools.sty

```

5200 \NeedsTeXFormat{LaTeX2e}
5201 \ProvidesPackage{biditools}[2024/12/07 v2.4 Programming tools for bidi package]
5202 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\\relax
5203   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
5204   \ifx\@tempa\@tempb \global\let#2#1%
5205   \else
5206     \edef\@tempb{\meaning#2}%
5207     \ifx\@tempa\@tempb
5208     \else
5209       \latexerror{Unable to properly define \string#2; primitive
5210         \noexpand#1no longer primitive}\@eha
5211     \fi
5212   \fi
5213 \endgroup}
5214 \newtoks\@bidi@envbody
5215 \newtoks\@bidi@emptytoks
5216 \def\bidicollect@body#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5217 \def\bidicollect@body#1{%
5218   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5219   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
5220   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5221   \begingroup
5222   \expandafter\let\csname\@currenvir\endcsname\bidi@collect@body
5223   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
5224   \bidi@process@envbody
5225 }
5226 \def\bidipush@begins#1\begin#2{%
5227   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
5228 }
5229 \def\bidicollect@body#1\end#2{%
5230   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
5231   \ifx\@empty\begin@bidi@stack
5232     \endgroup
5233     \@checkend{#2}%
5234     \bidicollect@body{#1}%
5235   \else
5236     \bidicollect@body{#1\end{#2}}%
5237   \fi
5238   \bidi@process@envbody % A little tricky! Note the grouping
5239 }
5240 \long\def\bidicollect@long@body#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5241 \long\def\bidicollect@long@body#1{%
5242   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5243   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
5244   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5245   \begingroup
5246   \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@body

```



```

5247 \edef\ bidi@process@envbody{\expandafter\noexpand\csname\@currentenv\endcsname}%
5248 \bidi@process@envbody
5249 }
5250 \long\def\bidi@push@long@begins#1\begin#2{%
5251 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
5252 }
5253 \long\def\bidi@collect@long@@body#1\end#2{%
5254 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi
5255 \ifx\empty\begin@bidi@stack
5256 \endgroup
5257 \@checkend{#2}%
5258 \bidi@addto@long@envbody{#1}%
5259 \else
5260 \bidi@addto@long@envbody{#1\end{#2}}%
5261 \fi
5262 \bidi@process@envbody % A little tricky! Note the grouping
5263 }
5264 \long\def\bidi@new@ifnextchar#1#2#3{%
5265 \let\reserved@d= #1%
5266 \def\reserved@a{#2}\def\reserved@b{#3}%
5267 \futurelet\@let@token\bidi@new@ifnch
5268 }
5269 \def\bidi@new@ifnch{%
5270 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
5271 \reserved@b
5272 }
5273 \def\bidi@matrix@check#1{%
5274 \expandafter\ifx\csname\@currentenv\endcsname#1%
5275 \else\bidi@matrix@error#1%
5276 \expandafter\@gobble
5277 \fi
5278 }
5279 \def\bidi@matrix@error#1{%
5280 \PackageError{biditools}{%
5281 Old form ``\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
5282 }{%
5283 ``\string#1{...}' is old bidi package syntax whose use is
5284 ill-advised in the old versions of bidi package.%
5285 }%
5286 }
5287 \def\@tagsextension{clo}
5288 \def\@definitionfileextension{def}
5289 \def\@texfileextension{tex}
5290 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
5291 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
5292 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
5293 \def\eqnewif#1#2{%
5294 \count@ \escapechar \escapechar \m@ne
5295 \let#1\iffalse
5296 \let#2\iffalse
5297 \eq@if#1#2\iftrue
5298 \eq@if#1#2\iffalse
5299 \escapechar \count@}
5300 \def\eq@if#1#2#3{%

```



```

5301 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
5302 \expandafter\@gobbletwo\string#3\endcsname
5303 {\let#1#3%
5304 \let#2#3}%
5305 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
5306 \expandafter\@gobbletwo\string#3\endcsname
5307 {\let#2#3%
5308 \let#1#3}}
5309 \def\noteqnewif#1#2{%
5310 \count@\escapechar \escapechar\m@ne
5311 \let#1\iffalse
5312 \let#2\iffalse
5313 \not@eq@if#1#2\iftrue\iffalse
5314 \escapechar\count@}
5315 \def\not@eq@if#1#2#3#4{%
5316 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
5317 \expandafter\@gobbletwo\string#3\endcsname
5318 {\let#1#3%
5319 \let#2#4}%
5320 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
5321 \expandafter\@gobbletwo\string#4\endcsname
5322 {\let#1#4%
5323 \let#2#3}%
5324 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
5325 \expandafter\@gobbletwo\string#3\endcsname
5326 {\let#2#3%
5327 \let#1#4}%
5328 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
5329 \expandafter\@gobbletwo\string#4\endcsname
5330 {\let#2#4%
5331 \let#1#3}}
5332 \newcommand*\SetBoolean}[2]{%
5333 \lowercase{\def\@tempa{#2}}%
5334 \@ifundefined{@tempwa\@tempa}%
5335 {\PackageError{biditools}%
5336 {You can only set a boolean to `true' or `false'}\@ehc}%
5337 {\@ifundefined{#1\@tempa}%
5338 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
5339 {\csname#1\@tempa\endcsname}}}
5340 \newcommand*\GlobalSetBoolean}[2]{%
5341 \lowercase{\def\@tempa{#2}}%
5342 \@ifundefined{@tempwa\@tempa}%
5343 {\PackageError{biditools}%
5344 {You can only set a boolean to `true' or `false'}\@ehc}%
5345 {\@ifundefined{#1\@tempa}%
5346 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
5347 {\global\csname#1\@tempa\endcsname}}}
5348 \newcommand*\SetatBoolean}[2]{%
5349 \lowercase{\def\@tempa{#2}}%
5350 \@ifundefined{@tempwa\@tempa}%
5351 {\PackageError{biditools}%
5352 {You can only set a boolean to `true' or `false'}\@ehc}%
5353 {\@ifundefined{@#1\@tempa}%
5354 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%

```



```

5355     {\csname @#1\@tempa\endcsname}}
5356 \newcommand*{\GlobalSetatBoolean}[2]{%
5357   \lowercase{\def\@tempa{#2}}%
5358   \@ifundefined{\@tempa\@tempa}%
5359     {\PackageError{biditools}%
5360      {You can only set a boolean to `true' or `false'}\@ehc}%
5361   {\@ifundefined{\@#1\@tempa}%
5362    {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5363    {\global\csname @#1\@tempa\endcsname}}}
5364 \def\@bidi@removefromreset#1#2{%
5365   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
5366   \def\@elt##1{%
5367     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
5368     \else
5369       \noexpand\@elt{##1}%
5370     \fi}%
5371   \expandafter\xdef\csname cl@#2\endcsname{%
5372     \csname cl@#2\endcsname}}
5373 \newcommand*{\ifRtoL}{%
5374   \if@RTL
5375     \expandafter\@firstoftwo
5376   \else
5377     \expandafter\@secondoftwo
5378   \fi}
5379 \newcommand*{\ifLtoR}{%
5380   \if@RTL
5381     \expandafter\@secondoftwo
5382   \else
5383     \expandafter\@firstoftwo
5384   \fi}
5385 \newcommand*{\ifRtoLtable}{%
5386   \if@RTLtab
5387     \expandafter\@firstoftwo
5388   \else
5389     \expandafter\@secondoftwo
5390   \fi}
5391 \newcommand*{\ifLtoRtable}{%
5392   \if@RTLtab
5393     \expandafter\@secondoftwo
5394   \else
5395     \expandafter\@firstoftwo
5396   \fi}
5397 \newcommand*{\ifRtoLhboxconstruct}{%
5398   \if@hboxRconstruct
5399     \expandafter\@firstoftwo
5400   \else
5401     \expandafter\@secondoftwo
5402   \fi}
5403 \newcommand*{\ifLtoRhboxconstruct}{%
5404   \if@hboxRconstruct
5405     \expandafter\@secondoftwo
5406   \else
5407     \expandafter\@firstoftwo
5408   \fi}

```



```

5409 \newcommand*{\iflatin}{%
5410   \if@nonlatin
5411     \expandafter\@secondoftwo
5412   \else
5413     \expandafter\@firstoftwo
5414   \fi}
5415 \newcommand*{\ifnonlatin}{%
5416   \if@nonlatin
5417     \expandafter\@firstoftwo
5418   \else
5419     \expandafter\@secondoftwo
5420   \fi}
5421
5422 \newcommand*{\bidi@convert@dimen@t@unit}[2]{%
5423   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
5424
5425 \newcommand*{\bidi@convert@dimen@t@pt}[1]{%
5426   \dimexpr #1*65536/\dimexpr 1pt\relax}
5427
5428 \newcommand*{\if@bidi@csdef}[1]{%
5429   \ifcsname#1\endcsname
5430     \expandafter\@firstoftwo
5431   \else
5432     \expandafter\@secondoftwo
5433   \fi}
5434 \newcommand*{\if@bidi@csundef}[1]{%
5435   \ifcsname#1\endcsname
5436     \expandafter\ifx\csname#1\endcsname\relax
5437       \expandafter\expandafter
5438       \expandafter\@firstoftwo
5439     \else
5440       \expandafter\expandafter
5441       \expandafter\@secondoftwo
5442     \fi
5443   \else
5444     \expandafter\@firstoftwo
5445   \fi}
5446 \newcommand{\if@bidi@def}[1]{%
5447   \ifdefined#1%
5448     \expandafter\@firstoftwo
5449   \else
5450     \expandafter\@secondoftwo
5451   \fi}
5452 \newcommand{\if@bidi@undef}[1]{%
5453   \ifdefined#1%
5454     \ifx#1\relax
5455       \expandafter\expandafter
5456       \expandafter\@firstoftwo
5457     \else
5458       \expandafter\expandafter
5459       \expandafter\@secondoftwo
5460     \fi
5461   \else
5462     \expandafter\@firstoftwo

```



```

5463 \fi}
5464 \newcommand{\if@bidi@blank}[1]{% from url.sty
5465 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
5466 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
5467 \newcommand{\bidi@notblank}[1]{%
5468 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
5469 \newcommand{\if@bidi@defmacro}{%
5470 \long\edef\if@bidi@defmacro#1{%
5471 \noexpand\expandafter\noexpand\bidi@ifdefmacro
5472 \noexpand\meaning#1\detokenize{macro}:&}
5473 \edef\bidi@ifdefmacro{%
5474 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
5475 \bidi@ifdefmacro{\bidi@notblank{#2}}
5476 \newcommand*{\if@bidi@csmacro}[1]{%
5477 \if@bidi@csdef{#1}
5478 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
5479 {\@secondoftwo}}
5480 \newcommand{\if@bidi@defprimitive}[1]{%
5481 \ifprimitive#1%
5482 \expandafter\@firstoftwo
5483 \else
5484 \expandafter\@secondoftwo
5485 \fi}
5486 \newcommand{\if@bidi@csprimitive}[1]{%
5487 \begingroup\expandafter\expandafter\expandafter\endgroup%
5488 \expandafter\ifprimitive\csname#1\endcsname%
5489 \expandafter\@firstoftwo
5490 \else
5491 \expandafter\@secondoftwo
5492 \fi}
5493 \newcommand*{\bidi@csdefcs}[2]{%
5494 \expandafter\@ifdefinable \csname#1\endcsname{%
5495 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
5496 \newcommand*{\bidi@csletcs}[2]{%
5497 \expandafter\@ifdefinable \csname#1\endcsname{%
5498 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
5499 \newcommand*{\bidi@cslet}[2]{%
5500 \expandafter\@ifdefinable \csname#1\endcsname{%
5501 \expandafter\let\csname#1\endcsname#2}}
5502 \newcommand{\bidi@namelongdef}[1]{%
5503 \long\expandafter\def\csname #1\endcsname}
5504 \newcommand{\bidi@namelonggdef}[1]{%
5505 \long\expandafter\gdef\csname #1\endcsname}
5506 \newcommand{\bidi@namelongedef}[1]{%
5507 \long\expandafter\edef\csname #1\endcsname}
5508 \newcommand{\bidi@namelongxdef}[1]{%
5509 \long\expandafter\xdef\csname #1\endcsname}
5510 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
5511 \def\bidi@ensure@new@command#1{%
5512 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
5513 \expandafter\if@bidi@csundef\@gtempa
5514 {\new@command#1}{\relax%
5515 \let\@ifdefinable\@rc@ifdefinable%
5516 \new@command#1}}

```



```

5517 \def\bid@ensure@newlength#1{\if@bid@undef#1{\newskip#1}{}}
5518
5519 \protected\def\bid@error{\PackageError{bid}}
5520 \protected\def\bid@warning{\PackageWarning{bid}}
5521 \protected\def\bid@warningnoline{\PackageWarningNoLine{bid}}
5522 \protected\def\bid@info{\PackageInfo{bid}}
5523
5524 \def\bid@pos#1#2#3#4{\bid@namegdef{bid@#1pos@@#2@#3}{#4}}
5525
5526 \newcount\bid@poscount
5527
5528 \newcommand*{\WriteStartXPostoaux}{%
5529   \global\advance\bid@poscount\@ne
5530   \edef\@tempa{%
5531     \write\@auxout{%
5532       \string\bid@pos{x}{start}{\number\bid@poscount}{\noexpand\number\noexpand\pdflast
5533     }%
5534   }%
5535   \ifvmode
5536     \leavevmode
5537   \fi
5538   \if@RTL
5539     \if@filesw
5540       \@tempa
5541     \fi
5542   \pdfsavepos
5543   \else
5544     \pdfsavepos
5545     \if@filesw
5546       \@tempa
5547     \fi
5548   \fi
5549   \if@bid@csundef{bid@xpos@@start@\number\bid@poscount}{%
5550     \PackageWarningNoLine{biditools}{%
5551       The start x position `\'number\bid@poscount' is not known yet.
5552       Rerun to get this x position%
5553     }%
5554   }{}%
5555 }
5556
5557 \newcommand*{\WriteEndXPostoaux}{%
5558   \edef\@tempa{%
5559     \write\@auxout{%
5560       \string\bid@pos{x}{end}{\number\bid@poscount}{\noexpand\number\noexpand\pdflast
5561     }%
5562   }%
5563   \if@RTL
5564     \if@filesw
5565       \@tempa
5566     \fi
5567   \pdfsavepos
5568   \else
5569     \pdfsavepos
5570   \if@filesw

```



```

5571 \tempa
5572 \fi
5573 \fi
5574 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
5575     \PackageWarningNoLine{biditools}{%
5576         The end x position '\number\bidi@poscount' is not known yet.
5577         Rerun to get this x position%
5578     }%
5579 }{}%
5580 }
5581
5582 \newcommand*{\WriteStartYPostoaux}{%
5583     \global\advance\bidi@poscount\@ne
5584     \edef\tempa{%
5585         \write\@auxout{%
5586             \string\bidi@pos{y}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflast
5587         }%
5588     }%
5589     \ifvmode
5590         \leavevmode
5591     \fi
5592     \if@RTL
5593         \if@filesw
5594             \tempa
5595         \fi
5596     \pdfsavepos
5597     \else
5598     \pdfsavepos
5599     \if@filesw
5600         \tempa
5601     \fi
5602     \fi
5603     \if@bidi@csundef{bidi@ypos@@start@\number\bidi@poscount}{%
5604         \PackageWarningNoLine{biditools}{%
5605             The start y position '\number\bidi@poscount' is not known yet.
5606             Rerun to get this y position%
5607         }%
5608     }{}%
5609 }
5610
5611 \newcommand*{\WriteEndYPostoaux}{%
5612     \edef\tempa{%
5613         \write\@auxout{%
5614             \string\bidi@pos{y}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflast
5615         }%
5616     }%
5617     \if@RTL
5618         \if@filesw
5619             \tempa
5620         \fi
5621     \pdfsavepos
5622     \else
5623     \pdfsavepos
5624     \if@filesw

```



```

5625 \@tempa
5626 \fi
5627 \fi
5628 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
5629     \PackageWarningNoLine{biditools}{%
5630         The end y position `\'number\bidi@poscount' is not known yet.
5631         Rerun to get this y position%
5632     }%
5633 }{}%
5634 }
5635
5636 \newcommand*{\WriteStartXYPostoaux}{%
5637     \global\advance\bidi@poscount\@ne
5638     \edef\@tempa{%
5639         \write\@auxout{%
5640             \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflast
5641         }%
5642         \write\@auxout{%
5643             \string\bidi@pos{y}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflast
5644         }%
5645     }%
5646     \ifvmode
5647         \leavevmode
5648     \fi
5649     \if@RTL
5650         \if@filesw
5651             \@tempa
5652         \fi
5653     \pdfsavepos
5654     \else
5655     \pdfsavepos
5656     \if@filesw
5657         \@tempa
5658     \fi
5659     \fi
5660     \if@bidi@csundef{bidi@xpos@@start@\number\bidi@poscount}{%
5661         \PackageWarningNoLine{biditools}{%
5662             The start x position `\'number\bidi@poscount' is not known yet.
5663             Rerun to get this x position%
5664         }%
5665     }{}%
5666     \if@bidi@csundef{bidi@ypos@@start@\number\bidi@poscount}{%
5667         \PackageWarningNoLine{biditools}{%
5668             The start y position `\'number\bidi@poscount' is not known yet.
5669             Rerun to get this y position%
5670         }%
5671     }{}%
5672 }
5673
5674 \newcommand*{\WriteEndXYPostoaux}{%
5675     \edef\@tempa{%
5676         \write\@auxout{%
5677             \string\bidi@pos{x}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflast
5678         }%

```



```

5679         \write\@auxout{%
5680             \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflast
5681         }%
5682     }%
5683 \if@RTL
5684     \if@filesw
5685         \@tempa
5686     \fi
5687 \pdfsavepos
5688 \else
5689 \pdfsavepos
5690 \if@filesw
5691     \@tempa
5692 \fi
5693 \fi
5694 \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{%
5695     \PackageWarningNoLine{biditools}{%
5696         The end x position '\number\bidiposcount' is not known yet.
5697         Rerun to get this x position%
5698     }%
5699 }{}%
5700 \if@bidi@csundef{bidi@ypos@@end@\number\bidiposcount}{%
5701     \PackageWarningNoLine{biditools}{%
5702         The end y position '\number\bidiposcount' is not known yet.
5703         Rerun to get this y position%
5704     }%
5705 }{}%
5706 }
5707
5708 \newcommand*{\currentposxwidth}{%
5709     \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{\z@}
5710     {%
5711         \ifnum\csname bidi@xpos@@start@\number\bidiposcount
5712         \endcsname < \csname bidi@xpos@@end@\number\bidiposcount
5713         \endcsname
5714         \dimexpr \csname bidi@xpos@@end@\number\bidiposcount
5715         \endcsname sp - \csname bidi@xpos@@start@\number\bidiposcount
5716         \endcsname sp\relax
5717     \else
5718         \dimexpr \csname bidi@xpos@@start@\number\bidiposcount
5719         \endcsname sp - \csname bidi@xpos@@end@\number\bidiposcount
5720         \endcsname sp\relax
5721     \fi
5722 }%
5723 }
5724
5725 \newcommand*{\currentposyheight}{%
5726     \if@bidi@csundef{bidi@ypos@@end@\number\bidiposcount}{\z@}
5727     {%
5728         \dimexpr \csname bidi@ypos@@start@\number\bidiposcount
5729         \endcsname sp - \csname bidi@ypos@@end@\number\bidiposcount
5730         \endcsname sp\relax
5731     }%
5732 }

```



```

5733
5734
5735
5736 \newcommand*{\setbaselineskip}[1]{%
5737     \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
5738     \selectfont
5739 }
5740
5741
5742 \newcommand*{\bidi@newrobustcmd}{}
5743 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
5744
5745 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
5746
5747 \def\bidi@newcommand#1[#2]{%
5748     \@ifnextchar[%
5749         {\bidi@xargdef#1[#2]}
5750         {\ifx\l@ngrel@x\relax
5751             \let\l@ngrel@x\protected
5752             \else
5753                 \protected\def\l@ngrel@x{\protected\long}%
5754             \fi
5755             \@argdef#1[#2]}}
5756
5757 \long\def\bidi@xargdef#1[#2][#3]#4{%
5758     \@ifdefinable#1{%
5759         \expandafter\protected
5760         \expandafter\def
5761         \expandafter#1%
5762         \expandafter{%
5763             \expandafter\@testopt
5764             \csname\string#1\endcsname{#3}}%
5765         \expandafter\@yargdef\csname\string#1\endcsname\tw{#2}{#4}}}
5766
5767 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
5768
5769 \def\bidi@renew@command#1{%
5770     \if@bidi@undef{#1}
5771         {\bidi@error{\string#1 undefined}\@ehc}
5772         {}%
5773     \let\@ifdefinable\@rc@ifdefinable
5774     \bidi@new@command#1}
5775
5776
5777
5778 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
5779
5780 \def\bidi@provide@command#1{%
5781     \if@bidi@undef{#1}
5782         {\def\reserved@a{\bidi@new@command#1}}
5783         {\def\reserved@a{\bidi@renew@command\reserved@a}}%
5784     \reserved@a}
5785
5786 \newcommand*{\bidi@csuse}[1]{%

```



```

5787 \ifcsname#1\endcsname
5788 \csname#1\expandafter\endcsname
5789 \fi}
5790
5791 \newcommand{\bidi@expandonce}[1]{%
5792 \unexpanded\expandafter{#1}}
5793
5794 \def\bidi@protected{%
5795 \let\@protect\protect
5796 \let\protect\@unexpandable@protect
5797 \afterassignment\restore@protect}
5798
5799 \bidi@newrobustcmd{\bidi@appto}[2]{%
5800 \if@bidi@undef{#1}
5801 {\edef#1{\unexpanded{#2}}}
5802 {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
5803 \bidi@newrobustcmd{\bidi@eappto}[2]{%
5804 \if@bidi@undef{#1}
5805 {\edef#1{#2}}
5806 {\edef#1{\bidi@expandonce#1#2}}}
5807 \bidi@newrobustcmd{\bidi@gappto}[2]{%
5808 \if@bidi@undef{#1}
5809 {\xdef#1{\unexpanded{#2}}}
5810 {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
5811 \bidi@newrobustcmd{\bidi@xappto}[2]{%
5812 \if@bidi@undef{#1}
5813 {\xdef#1{#2}}
5814 {\xdef#1{\bidi@expandonce#1#2}}}
5815
5816 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
5817 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
5818
5819
5820
5821 \bidi@newrobustcmd{\bidi@preto}[2]{%
5822 \if@bidi@undef{#1}
5823 {\edef#1{\unexpanded{#2}}}
5824 {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
5825 \bidi@newrobustcmd{\bidi@epreto}[2]{%
5826 \if@bidi@undef{#1}
5827 {\edef#1{#2}}
5828 {\edef#1{#2\bidi@expandonce#1}}}
5829 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
5830 \if@bidi@undef{#1}
5831 {\xdef#1{\unexpanded{#2}}}
5832 {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
5833 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
5834 \if@bidi@undef{#1}
5835 {\xdef#1{#2}}
5836 {\xdef#1{#2\bidi@expandonce#1}}}
5837
5838 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
5839 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
5840

```



```

5841
5842
5843 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
5844 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
5845 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
5846 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
5847 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
5848 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
5849
5850
5851
5852 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
5853 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
5854 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
5855 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
5856 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
5857 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
5858
5859
5860
5861 \bidi@newrobustcmd{\if@bidi@patchable}{%
5862   \bidi@dbg@trce\if@bidi@patchable
5863   \begingroup
5864   \@makeother\#%
5865   \ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
5866
5867 \long\def\bidi@ifpatchable#1#2{%
5868   \endgroup
5869   \bidi@dbg@init#1%
5870   \if@bidi@undef{#1}
5871     {\bidi@dbg@fail{def}\@secondoftwo}
5872     {\bidi@dbg@info{def}%
5873       \if@bidi@defmacro{#1}
5874         {\bidi@dbg@info{mac}%
5875           \bidi@ifscanable{#1}
5876           {\bidi@ifhashcheck{#2}
5877             {\bidi@dbg@info{tok}%
5878               \bidi@ifpattern#1{#2}
5879               {\bidi@dbg@info{pat}%
5880                 \bidi@dbg@info{pos}\@firstoftwo}
5881                 {\bidi@dbg@fail{pat}\@secondoftwo}}
5882             {\bidi@dbg@fail{hsh}\@secondoftwo}}
5883             {\bidi@dbg@fail{tok}\@secondoftwo}}
5884             {\bidi@dbg@fail{mac}\@secondoftwo}}}}
5885
5886 \long\def\bidi@ifpatchable@i#1{%
5887   \endgroup
5888   \bidi@dbg@init#1%
5889   \if@bidi@undef{#1}
5890     {\bidi@dbg@fail{def}\@secondoftwo}
5891     {\bidi@dbg@info{def}%
5892       \if@bidi@defmacro{#1}
5893         {\bidi@dbg@info{mac}%
5894           \if@bidi@defparam{#1}

```



```

5895         {\bidi@dbg@info{prm}}%
5896         \bidi@ifscanable{#1}
5897         {\bidi@dbg@info{tok}}%
5898         \bidi@dbg@info{pos}\@firstoftwo}
5899         {\bidi@dbg@fail{tok}\@secondoftwo}}
5900     {\bidi@dbg@info{prl}}%
5901     \if@bidi@defprotected{#1}
5902     {\bidi@dbg@info{pro}}
5903     {}%
5904     \bidi@dbg@info{pos}\@firstoftwo}}
5905     {\bidi@dbg@fail{mac}\@secondoftwo}}
5906
5907 \bidi@newrobustcmd*{\bidi@patchcmd}{%
5908     \bidi@dbg@trce\bidi@patchcmd
5909     \begingroup
5910     \@makeother\}%
5911     \bidi@patchcmd}
5912
5913 \newcommand{\bidi@patchcmd}[4][#####1]{%
5914     \bidi@ifpatchable#2{#3}
5915     {\bidi@dbg@succ{ret}}%
5916     \begingroup
5917     \edef\bidi@resrvda{%
5918         \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
5919             #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
5920         \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
5921             ####1\detokenize{#4}####2}%
5922         \edef\noexpand\bidi@resrvda{%
5923             \noexpand\bidi@resrvda\meaning#2&}}%
5924     \bidi@resrvda
5925     \bidi@patchcmd@scantoks\bidi@resrvda
5926     \let#2\bidi@resrvda
5927     \bidi@undef\bidi@resrvda
5928     \@firstoftwo}
5929     {\@secondoftwo}}
5930
5931 \def\bidi@patchcmd@scantoks#1{%
5932     \edef\bidi@resrvda{\endgroup
5933         \unexpanded{\makeatletter\scantokens}{#1}%
5934         \catcode\number`\@=\the\catcode`\@ \relax}%
5935     \bidi@resrvda}
5936
5937 \newcommand\bidi@isloaded[2][]{
5938     \expandafter\ifx\csname if@bidi@#2loaded@endcsname\relax
5939     \expandafter\newif\csname if@bidi@#2loaded@endcsname
5940     \fi
5941     \@ifpackageloaded{#2}
5942     {\csname @bidi@#2loaded@true\endcsname #1}
5943     {\csname @bidi@#2loaded@false\endcsname}}
5944
5945 \protected\def\bidi@ifscanable#1{%
5946     \begingroup
5947     \edef\bidi@resrvda{%
5948         \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%

```



```

5949     ###1\def\string\bidiresrvda###2{###3}}%
5950     \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda\meaning#1&}}%
5951     \bidiresrvda
5952     \makeatletter
5953     \scantokens\expandafter{\bidiresrvda}%
5954     \expandafter\endgroup\ifx#1\bidiresrvda
5955         \expandafter\@firstoftwo
5956     \else
5957         \expandafter\@secondoftwo
5958     \fi}
5959
5960
5961 \protected\long\def\bidifhashcheck#1{%
5962     \begingroup
5963     \edef\bidiresrvda{\detokenize{#1}}%
5964     \expandafter\endgroup
5965     \expandafter\bidifhashcheck@i\meaning\bidiresrvda&}
5966
5967 \edef\bidifhashcheck@i#1{%
5968     \noexpand\expandafter
5969     \noexpand\bidifhashcheck@ii
5970     \noexpand\strip@prefix#1\string#\string#&}
5971
5972 \edef\bidifhashcheck@ii{%
5973     \def\noexpand\bidifhashcheck@ii##1\string#\string###2&
5974     \bidifhashcheck@ii{\if@bidi@blank{#2}}
5975
5976
5977 \protected\long\def\bidifpattern#1#2{%
5978     \begingroup
5979     \edef\bidiresrvda{%
5980         \def\noexpand\bidiresrvda###1\detokenize{#2}###2&{%
5981             \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{###2}}%
5982         \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda
5983             \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
5984         \noexpand\bidiresrvda}
5985     \bidiresrvda\@secondoftwo\@firstoftwo}
5986
5987
5988 \newcommand{\if@bidi@defparam}{%
5989 \long\edef\if@bidi@defparam#1{%
5990     \noexpand\expandafter\noexpand\bidifdefparam
5991     \noexpand\meaning#1\detokenize{macro}:->&}
5992 \edef\bidifdefparam{%
5993     \def\noexpand\bidifdefparam##1\detokenize{macro}:#2->##3&
5994     \bidifdefparam{\bidinotblank{#2}}
5995
5996
5997 \newcommand{\if@bidi@defprotected}{%
5998 \long\edef\if@bidi@defprotected#1{%
5999     \noexpand\expandafter\noexpand\bidifdefprotected
6000     \noexpand\meaning#1\string\protected&}
6001 \edef\bidifdefprotected{%
6002     \def\noexpand\bidifdefprotected##1\string\protected##2&}

```



```

6003 \bidi@ifdefprotected{\bidi@notblank{#2}}
6004
6005
6006 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
6007 \bidi@newrobustcmd{\bidi@csundef}[1]{%
6008   \expandafter\let\csname #1\endcsname\bidi@undefined
6009 }
6010
6011 \let\bidi@dbg@trce\@gobble
6012 \let\bidi@dbg@init\@gobble
6013 \let\bidi@dbg@info\@gobble
6014 \let\bidi@dbg@succ\@gobble
6015 \let\bidi@dbg@fail\@gobble
6016
6017
6018
6019 \bidi@newrobustcmd*{\bidi@apptocmd}{%
6020   \bidi@dbg@trce\bidi@apptocmd
6021   \begingroup
6022   \@makeother\#%
6023   \bidi@hooktocmd\bidi@append}
6024
6025
6026
6027 \bidi@newrobustcmd*{\bidi@pretocmd}{%
6028   \bidi@dbg@trce\bidi@pretocmd
6029   \begingroup
6030   \@makeother\#%
6031   \bidi@hooktocmd\bidi@prepend}
6032
6033 \long\def\bidi@hooktocmd#1#2#3{%
6034   \endgroup
6035   \bidi@dbg@init#2%
6036   \if\bidi@undef{#2}
6037     {\bidi@dbg@fail{def}\@secondoftwo}
6038     {\bidi@dbg@info{def}%
6039       \if\bidi@defmacro{#2}
6040         {\bidi@dbg@info{mac}%
6041           \if\bidi@defparam{#2}
6042             {\bidi@dbg@info{prm}%
6043               \bidi@ifscanable{#2}
6044                 {\bidi@ifhashcheck{#3}
6045                   {\bidi@dbg@info{tok}%
6046                     \bidi@dbg@succ{ret}%
6047                     \bidi@hooktocmd\i#1#2{#3}%
6048                     \@firstoftwo}
6049                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
6050                 {\bidi@dbg@fail{tok}\@secondoftwo}}
6051             {\bidi@dbg@info{prl}%
6052               \if\bidi@defprotected{#2}
6053                 {\bidi@dbg@info{pro}%
6054                   \bidi@dbg@succ{red}%
6055                   \protected}
6056                 {\bidi@dbg@succ{red}}}%

```



```

6057         \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
6058         \@firstoftwo}}
6059     {\bidi@dbg@fail{mac}\@secondoftwo}}
6060
6061 \long\def\bidi@hooktocmd#i#1#2#3{%
6062     \begingroup
6063     \edef\bidi@resrvda{%
6064         \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
6065             ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}%
6066         \edef\noexpand\bidi@resrvda{%
6067             \noexpand\bidi@resrvda\meaning#2&}}%
6068     \bidi@resrvda
6069     \bidi@patchcmd@scantoks\bidi@resrvda
6070     \let#2\bidi@resrvda
6071     \bidi@undef\bidi@resrvda}
6072
6073 \long\def\bidi@append#1#2{#1#2}
6074 \long\def\bidi@prepend#1#2{#2#1}
6075
6076 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
6077 %\newcommand*{\bidi@endpreamblehook}{}
6078
6079 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}%
6080
6081 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipou
6082 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
6083
6084 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
6085 \newcommand*{\bidi@beforeheaderhook}{}
6086
6087 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutpu
6088 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
6089
6090 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputp
6091 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
6092
6093 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
6094 \newcommand*{\bidi@beforefooterhook}{}
6095
6096 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
6097 \newcommand*{\bidi@afterfooterhook}{}
6098
6099
6100 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouth
6101 \newcommand*{\bidi@afteroutputpageshipouthook}{}
6102
6103 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
6104 \newcommand*{\bidi@atendoutputpagehook}{}
6105
6106 %\bidi@preto\document{%
6107 %    \endgroup
6108 %    \let\bidi@AtEndPreamble\@firstofone
6109 %    \bidi@endpreamblehook
6110 %    \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%

```



```

6111 % \bidi@undef\bidi@endpreamblehook
6112 % \begingroup}
6113
6114 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
6115 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
6116
6117 %\bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
6118 %\newcommand*{\bidi@afterendpreamblehook}{\}
6119
6120 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\AddToHook{begindocument/end}}}%
6121
6122 %\bidi@gappto\document{%
6123 % \let\bidi@AfterEndPreamble\@firstofone
6124 % \bidi@afterendpreamblehook
6125 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
6126 % \bidi@undef\bidi@afterendpreamblehook
6127 % \ignorespaces}
6128
6129 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterenddocumenthook}
6130 \newcommand*{\bidi@afterenddocumentchecklabelsrerunhook}{\}
6131
6132 \bidi@patchcmd\enddocument
6133 {\fi}
6134 {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
6135 \bidi@afterenddocumentchecklabelsrerunhook
6136 \fi}
6137 {}
6138 {\PackageWarning{biditools}{Patching '\string\enddocument' failed}}
6139
6140 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
6141
6142 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
6143 \newcommand*{\bidi@afterlastshipouthook}{\}
6144
6145 \bidi@patchcmd\enddocument
6146 {\clearpage}
6147 {\clearpage
6148 \let\bidi@AfterLastShipout\@firstofone
6149 \bidi@afterlastshipouthook}
6150 {}
6151 {\let\bidi@clearpage\clearpage
6152 \def\clearpage{%
6153 \bidi@clearpage
6154 \let\bidi@AfterLastShipout\@firstofone
6155 \bidi@afterlastshipouthook}}
6156
6157 %\bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
6158 %\newcommand*{\bidi@afterenddocumenthook}{\}
6159
6160 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\AddToHook{enddocument/end}}}%
6161
6162 %\bidi@patchcmd\enddocument
6163 % {\deadcycles}
6164 % {\let\bidi@AfterEndDocument\@firstofone

```



```

6165 % \bidi@afterendddocumenthook
6166 % \deadcycles}
6167 % {}
6168 % {\let\bidi@@end@@end
6169 % \def@@end{%
6170 % \let\bidi@AfterEndDocument\@firstofone
6171 % \bidi@afterendddocumenthook
6172 % \bidi@@end}}
6173
6174 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
6175 \bidi@csgappto{@bidi@begin@#1@hook}}
6176
6177 % Patch \begin<space> and \end<space> in newer LaTeX releases
6178 % \begin and \end in older ones.
6179 \expandafter\bidi@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6180 {\csname #1\endcsname}
6181 {\bidi@csuse{@bidi@begin@#1@hook}}%
6182 \csname #1\endcsname}
6183 {}
6184 {\bidi@warning{%
6185 Patching '\string\begin' failed!\MessageBreak
6186 '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
6187
6188
6189
6190 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
6191 \bidi@csgappto{@bidi@end@#1@hook}}
6192
6193 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6194 {\csname end#1\endcsname}
6195 {\bidi@csuse{@bidi@end@#1@hook}}%
6196 \csname end#1\endcsname}
6197 {}
6198 {\bidi@warning{%
6199 Patching '\string\end' failed!\MessageBreak
6200 '\string\bidi@AtEndEnvironment' will not work\@gobble}}
6201
6202
6203
6204 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
6205 \bidi@csgappto{@bidi@beforebegin@#1@hook}}
6206
6207 \expandafter\bidi@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6208 {\bidi@csuse{@bidi@beforebegin@#1@hook}}
6209 {}
6210 {\bidi@warning{%
6211 Patching '\string\begin' failed!\MessageBreak
6212 '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
6213
6214 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
6215 \bidi@csgappto{@bidi@afterend@#1@hook}}
6216
6217 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6218 {\if@ignore}

```



```

6219 {\bidi@csuse{@bidi@afterend@#1@hook}}%
6220 \if@ignore}
6221 {}
6222 {\bidi@warning{%
6223     Patching '\string\end' failed!\MessageBreak
6224     '\string\bidi@AfterEndEnvironment' will not work@gobble}}
6225
6226 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}
6227 \def\bidi@namedef#1{\expandafter\gdef\csname #1\endcsname}
6228 \def\bidi@nameedef#1{\expandafter\edef\csname #1\endcsname}
6229 \def\bidi@namexdef#1{\expandafter\xdef\csname #1\endcsname}
6230
6231 % From David Carlisle:
6232 % The \@stpelt redefinition below belongs to Heiko Oberdiek
6233 % See also https://github.com/ho-tex/oberdiek/issues/26
6234
6235 \let@bidi@stepcounter\stepcounter
6236 \let@bidi@@stpelt\@stpelt
6237
6238 \def@bidi@stpelt#1{%
6239     \ifcsname bidi@reset@#1@perpage\endcsname
6240         \begingroup
6241             \let\stepcounter@bidi@stepcounter
6242             \@bidi@@stpelt{#1}%
6243         \endgroup
6244         \expandafter@gobbletwo
6245     \fi
6246     \@bidi@@stpelt{#1}%
6247 }
6248
6249 \bidi@pretocmd\stepcounter
6250 {%
6251     \if@bidi@csundef{bidi@stepcounterhook@@#1}{-}{%
6252         \csname bidi@stepcounterhook@@#1\endcsname
6253     }%
6254 }%
6255 {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
6256
6257 \chardef\bidi@backslash`\\
6258 \def\bidi@#1{\texttt{\char\bidi@backslash#1}}
6259
6260 % anonymous control sequences
6261 \newcount\bidi@tempcountb
6262 \newtoks\bidi@temptoksa
6263 \newtoks\bidi@temptoksb
6264
6265 % Catcode (re)storing
6266 %
6267 \def\bidi@storecatcode#1%
6268     {\escapechar@m@ne
6269     \bidi@csarg\edef{bidi@restorecatcode\string#1}%
6270         {\catcode`\string#1=
6271         \the\catcode\expandafter`\string#1}%
6272     \catcode\expandafter`\string#1=12\relax

```



```

6273 \escapechar`\\relax}
6274 \def\bidirestorecatcode#1%
6275   {\escapechar\m@ne
6276    \csname bidi@restorecatcode\string#1\endcsname
6277    \escapechar`\\relax}
6278
6279 % Construct a control sequence inside \edef
6280 %
6281 \def\bidicsname#1{\expandafter\noexpand\csname#1\endcsname}
6282
6283 % Construct a control sequence out of #2, and give it to #1
6284 %
6285 \def\bidicsarg#1#2{\expandafter#1\csname#2\endcsname}
6286
6287 % Pick an escapecharacter
6288 % this presumes that its argument is a character.
6289 %
6290 \def\bidipickescape#1{\ifnum`#1=\escapechar\else#1\fi}
6291
6292 % Equality of strings.
6293 % the fast approach: does not work in expansion-only environment.
6294 %
6295 \def\bidiequalstring#1#2{00\fi\def\bidieqs@a{#1}\def\bidieqs@b{#2}%
6296   \ifx\bidieqs@a\bidieqs@b}
6297
6298 % Test by expansion only
6299 %
6300 \def\bidiequalstringX#1#2{00\fi
6301   \csname if\@bidiequalstringX#1&#2&\endcsname}
6302 \def\@bidiequalstringX#1#2$#3#4${\ifx#1#3%
6303   \ifx#1&true\else\bidihop@ES\@bidiequalstringX#2$#4$\fi
6304   \else false\fi}
6305 \def\bidihop@ES#1\fi#2\fi{\fi\fi#1}
6306
6307 % Lexicographic ordering
6308 % note the use of \def
6309 % also note the characters 0,127,255 that are used,
6310 % these are not supposed to appear in the strings
6311 %
6312 {\catcode0=12 \catcode255=12 \catcode127=12
6313 \gdef\bidistringbeforeNC#1#2{00\fi
6314   \bidi@CharsBefore#1^^@^^?#2^^ff^^?}
6315 \gdef\bidicharsbeforeNC#1#2^^?#3#4^^?{%
6316   \ifcat#1\relax\def\bidinext{\bidi@CharsBefore#2^^@^^?#3#4^^ff^^?}%
6317   \else\ifcat#3\relax\def\bidinext{\bidi@CharsBefore#1#2^^@^^?#4^^ff^^?}%
6318   \else\ifnum\lccode`#1<\lccode`#3
6319     \def\bidinext{\csname iftrue\endcsname}%
6320   \else\ifnum\lccode`#1>\lccode`#3
6321     \def\bidinext{\csname iffalse\endcsname}%
6322   \else\def\bidinext{\bidi@CharsBefore#2^^?#4^^?}%
6323   \fi \fi \fi \fi
6324   \bidinext}
6325 \gdef\bidistringbefore#1#2{00\fi
6326   \bidi@CharsBefore#1^^@^^?#2^^ff^^?}

```



```

6327 \gdef\bid@CharsBefore#1#2^^?#3#4^^?{%
6328   \ifnum`#1<`#3
6329     \def\bid@next{\csname iftrue\endcsname}%
6330   \else\ifnum`#1>`#3
6331     \def\bid@next{\csname iffalse\endcsname}%
6332   \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
6333   \fi\fi
6334   \bid@next}
6335 }
6336
6337 % Null argument test
6338 %
6339 \def\bid@empty{}
6340 \def\bid@ifempty#1{00\fi\expandafter\ifx\csname bid@#1\endcsname\bid@empty}
6341 \def\bid@ifemptyX#1{\expandafter\ifx\csname bid@#1\endcsname\bid@empty}
6342 %\def\bid@ifempty#1{\def\bid@cs@a{#1}\ifx\bid@cs@a\bid@empty}
6343 \def\bid@IsEmptyList#1{00\fi\def\bid@cs@a{#1}\ifx\cs@a\bid@empty}
6344
6345 % Next character test
6346 %
6347 \def\bid@NextChar#1#2#3{00\fi
6348   \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
6349   \futurelet\bid@nxt@c\@bid@ifnxtc}
6350 \def\bid@ifNextChar#1#2#3{%
6351   \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
6352   \futurelet\bid@nxt@c\@bid@ifnxtc}
6353 \def\@bid@ifnxtc{\ifx\bid@nxt@ch\bid@nxt@c \expandafter\bid@nxt@a
6354   \else \expandafter\bid@nxt@b \fi}
6355
6356 % Test for defined-ness of string as control sequence.
6357 % works inside \edef
6358 %
6359 \def\bid@undefinedcs#1{00\fi\bid@csarg\ifx{#1}\relax}
6360
6361 % Define uniquely defined dummy macros,
6362 % usually to serve as bumper blocks at the end of a list
6363 %
6364 \newcount\bid@dummies
6365 \def\DefNewDummy#1{
6366   \if\bid@undefinedcs{#1}\bid@csarg\edef{#1}{\bid@dum\the\bid@dummies}
6367   \advance\bid@dummies\@ne
6368   \else
6369     \bid@error{Attempt at second definition of `#1'}
6370   \fi}
6371
6372 % string case statement
6373 % use: \bid@switch \iftest{...} in:
6374 %   item1 action1
6375 %   ...
6376 %   itemn actionn
6377 %   default defaultaction [optional]
6378 %   \endbid@switch
6379 % inspired by Jonathan Fine: Some Basic Control Macros
6380 % Tugboat 12 #4

```



```

6381 %
6382 \let\@bidi@fi\fi \let\endbidi@switch\relax \DefNewDummy{bidi@default}
6383 \def\bidi@switch@exit #1 \@bidi@fi #2 \endbidi@switch {\fi #1}
6384 \def\bidi@switch #1#2#3{\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6385   #1{#2}\bidi@switch@exit #3 \@bidi@fi
6386   \bidi@switch {#1}
6387 }
6388 % this version puts the test object in {}
6389 \def\bidi@oswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6390   #1{#2}\bidi@switch@exit #3 \@bidi@fi
6391   \bidi@switch #1 in:
6392 }
6393 % this version assumes that the test object is just one character
6394 \def\bidi@cswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6395   #1#2\bidi@switch@exit #3 \@bidi@fi
6396   \bidi@cswitch #1 in:
6397 }
6398 % this version assumes that the test object can have an optional space
6399 \def\bidi@bswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6400   #1#2 \bidi@switch@exit #3 \@bidi@fi
6401   \bidi@bswitch #1 in:
6402 }
6403 % this version can cope with significant spaces at the start of #3;
6404 % #2 is macro argument
6405 \def\bidi@mswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6406   #1{#2}\bidi@switch@exit #3 \@bidi@fi
6407   \bidi@mswitch #1 in:
6408 }
6409 % idem; #2 does not have to be enclosed in braces
6410 \def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6411   #1#2 \bidi@switch@exit #3 \@bidi@fi
6412   \bidi@fswitch #1 in:
6413 }
6414
6415 % Routines for taking the value of a string:
6416 % if the string is defined as control sequence
6417 % take the value of that, otherwise take the string itself
6418
6419 % String or value of control sequence
6420 %
6421 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
6422
6423 % String or control sequence
6424 %
6425 \def\@bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
6426
6427 % String or \noexpand-ed control sequence;
6428 % for use in \edef
6429 %
6430 \newif\ifbidi@in@label
6431 \def\@bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
6432   \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
6433 \newtoks\bidi@are@these@correct
6434 \def\bidi@t@w@w#1{%

```



```

6435 \if\bid@undefinedcs{#1}#1%
6436 \ifdefining\bid@append@to@list\bid@are@these@correct{#1}\fi
6437 \else
6438 \ifin@label\noexpand\protect\fi \bid@csname{#1}\fi}
6439
6440 % List Manipulation .....
6441 % this assumes that #1 is a list of tokens, #2 is the name of a list
6442 %
6443 % Names of lists (and of items to pop into) are given as strings;
6444 % not as control sequences.
6445 %
6446 \newtoks\bid@toks@lista \newtoks\bid@toks@listb
6447 % basic append/prepend macro
6448 \long\def\bid@append@to@csl@list#1#2#3{\begingroup\bid@toks@lista=#2{#3}%
6449 \global#1=\expandafter\expandafter\expandafter\expandafter\the\expandafter#1\the\bid@toks@lista}
6450 \long\def\bid@prepend@to@csl@list#1#2#3{\begingroup\bid@toks@lista=#2{#3}%
6451 \global#1=\expandafter\expandafter\expandafter\expandafter\the\expandafter\bid@toks@lista}
6452 \def\bid@append@to@list{\bid@csarg\bid@append@to@csl@list}
6453 \def\bid@prepend@to@list{\bid@csarg\bid@prepend@to@csl@list}
6454 % variations:
6455 \long\def\bid@append@to@list#1#2{\bid@append@to@list{#1}{#2}}
6456 \long\def\bid@prepend@to@list#1#2{\bid@prepend@to@list{#1}{#2}}
6457 \def\bid@append@list@to@list#1#2{%
6458 \bid@append@to@list{#1}{\expandafter\expandafter\expandafter\expandafter\the\csname#1}
6459 \def\bid@prepend@list@to@list#1#2{%
6460 \bid@prepend@to@list{#1}{\expandafter\expandafter\expandafter\expandafter\the\csname#1}
6461 \def\bid@append@csl@list@to@csl@list#1#2{%
6462 \bid@append@to@csl@list{#1}\expandafter\the#2}}
6463 \def\bid@prepend@csl@list@to@csl@list#1#2{%
6464 \bid@prepend@to@csl@list{#1}\expandafter\the#2}}
6465 \def\bid@append@toks@cs@to@list#1#2{\bid@append@to@list{#1}\expandafter\the#2}}
6466 \def\bid@prepend@toks@cs@to@list#1#2{\bid@prepend@to@list{#1}\expandafter\the#2}}
6467
6468 \let\bid@willbeunhskip\unhskip
6469
6470 % A few list macros for the user
6471 \def\NewTokenList:#1 {\bid@csarg\newtoks{#1}\global\csname#1\endcsname{}}
6472 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
6473 \long\def\AppendToTokenList:#1=#2 {\bid@append@to@list{#1}{#2}}
6474 \long\def\PrependToTokenList:#1=#2 {\bid@prepend@to@list{#1}{#2}}
6475 \def\TheTokenList:#1 {\let\bid@oldwbuskip\bid@willbeunhskip \let\bid@willbeunhskip\@empty
6476 \if\bid@undefinedcs{#1}\bid@error{Token List <#1> undefined}
6477 \else\bid@csarg\the{#1}\fi
6478 \let\bid@willbeunhskip\bid@oldwbuskip}
6479
6480 \def\bid@del@tok@from@list#1#2{\begingroup
6481 \long\def\bid@cs@list#1#2##2\bid@tok@SM
6482 {\bid@toks@lista{##1}\bid@toks@listb{##2}%
6483 \edef\bid@cs@listb{\global\bid@csname{#1}=
6484 \the\bid@toks@lista\the\bid@toks@listb}}%
6485 \bid@cs@listb}%
6486 \edef\bid@cs@lista{\noexpand\bid@cs@list#1\expandafter\the\csname#1\endcsname\noexpand
6487 \bid@cs@lista \endgroup}
6488 \def\bid@in@front@of@list#1{\bid@csarg{\let\expandafter\bid@cs@lista}{#1}%

```



```

6489 \bidi@in@front@of@cslst\bidi@cs@lista}
6490 \long\def\bidi@in@front@of@cslst#1#2{\begingroup\bidi@toks@lista={#2}%
6491 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lis
6492 \endgroup}
6493 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}%
6494 \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expanda
6495 {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandaft
6496 \expandafter\the\csname#1\endcsname}%
6497 }
6498 \def\bidi@set@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
6499 \bidi@set@cslst\bidi@cs@lista}
6500 \long\def\bidi@set@cslst#1#2{\begingroup\bidi@toks@lista={#2}%
6501 \global#1=\expandafter{\the\bidi@toks@lista}\endgroup}
6502
6503 %%%%%%%%%%%%%%% Stack macros
6504 %
6505 % push in terms of prepending of lists
6506 \def\bidi@push@cs@onto@cs#1#2{\@bidi@prepend@to@cslst#1\expandafter{\expandafter\\expanda
6507 \def\bidi@push@onto#1{\bidi@csarg\bidi@push@onto@cs{#1}}
6508 \def\bidi@push@onto@cs#1#2{\@bidi@prepend@to@cslst#1{\{\#2\}}}
6509 \def\bidi@local@push@onto#1#2{\let\\=\relax
6510 \bidi@local@in@front@of@list{#1}{\{\#2\}}}
6511 % pop via auxiliary macro: #1 is result, #2 is stack
6512 % two cs arguments
6513 \def\bidi@pop@cs@into#1#2{\edef\bidi@cs@e
6514 {\noexpand\@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bidi@pop}\bidi@cs@e}
6515 % two string arguments
6516 \def\bidi@pop@into#1#2{\edef\bidi@cs@e
6517 {\noexpand\@bidi@popinto\bidi@csname{#1}\bidi@csname{#2}\bidi@csarg\the{#2}\noexpand\@
6518 \long\def\@bidi@popinto#1#2\#3#4\@bidi@pop{#1{#3}#2{#4}}
6519 \def\bidi@copy@stacktop#1#2{%
6520 \edef\bidi@cs@e{\noexpand\@bidi@copy@stacktop
6521 {#1}\bidi@csarg\the{#2}\noexpand\@bidi@pop}%
6522 \bidi@cs@e}
6523 \def\@bidi@copy@stacktop#1\#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
6524 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{\}}
6525 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
6526 \def\bidi@length@of@csstack#1{\def\#1{\advance\bidi@stack@length\@ne}%
6527 \bidi@stack@length\m@ne \the#1}
6528 % turn a stack upside down
6529 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
6530 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
6531 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
6532 \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\m@ne
6533 \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
6534 % \bidi@append@cslst@to@cslst\bidi@temptoksb\bidi@temptoksa% append a to b
6535 % \bidi@temptoksa\bidi@temptoksb
6536 \repeat% copy b to a
6537 #1\bidi@temptoksa\bidi@temptoksa\bidi@empty@toks}
6538 % invert a stack into a list
6539 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
6540 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
6541 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
6542 \bidi@pop@into{\bidi@temptoksb}{#1}\advance\bidi@stack@length\m@ne

```



```

6543 \bidi@append@list@to@list{bidi@temptoksb}{bidi@temptoksa}\repeat
6544 \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
6545
6546
6547 % General loop macro:
6548 % \looprepeat
6549 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
6550 % \untilcondition{<cond>} \whilecondition{<cond>}
6551 % \doloopbody { <loop body> }
6552 % where all control sequences in between \looprepeat and \doloopbody are optional.
6553 %
6554 % var: characters to form a control sequence;
6555 % after \forvariable{index} you can access the loop counter as \index.
6556 % This is a count register; to print it use \number\index.
6557 % start,step,end: integers with obvious relations to the loop counter;
6558 % start and step have a default value of 1
6559 % cond: (sequence of commands ending in) any TeX \if... test.
6560 %
6561 % Count down instead of up with \downtovalue; the increment given in \bystep
6562 % is always positive, and is added or subtracted accordingly.
6563 %
6564 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
6565 % at the beginning of the loop body.
6566 %
6567 % Exit from middle of loop: \breaklooprepeat
6568 % use this at any place in the loop; in case of a conditional use
6569 % \ifsomething ... \expandafter \breaklooprepeat \fi
6570 %
6571 % Note that the line ends do not cause spaces in the output.
6572 %
6573 % Technical details:
6574 % The loop body is not executed in a group: the braces are those
6575 % of a token list.
6576 % The 'forvariable' variable is \let to a \count register.
6577
6578
6579
6580 % Auxiliary stuff
6581 \def\bidi@looprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
6582 \def\bidi@looprepeat@csromannumeral#1{\csname #1\romannumeral\bidi@looprepeat@depth\endcsname}
6583 \def\bidi@looprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidi@looprepeat@depth\endcsname}
6584
6585 \newcount\bidi@looprepeat@depth
6586 \let\endlooprepeat\relax \def\bidi@csprotect{}
6587 % Trace switches may later be defined by PAC_utils
6588 \let\bidi@looprepeat@traceinit\relax \let\bidi@looprepeat@traceexit\relax
6589
6590 % Main repeatloop macro
6591 % - go to next level and allocate unique counter/toks if this is the
6592 % first time we visit this level
6593 % - setup: gather bounds and termination conditions
6594 % - scoop up body in token list; after the assignment define and
6595 % execute body
6596 \def\looprepeat#1\doloopbody{\bidi@looprepeat@traceinit % exit in \breakrepeatloop

```



```

6597 \advance\bidil@looprepeat@depth\@ne\relax
6598 \bidil@looprepeat@csargromannumeral\ifx{\bidil@looprepeat@count}\relax
6599 \bidil@looprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidil@looprepe
6600 \bidil@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidil@looprepe
6601 \bidil@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidil@looprepe
6602 \bidil@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidil@looprepe
6603 \fi \bidil@looprepeat@zero \def\bidil@looprepeat@sign{}\def\bidil@looprepeat@comp{>}\bidil@lo
6604 \edef\bidil@looprepeat@tmp
6605 {\def\bidil@looprepeat@csargromannumeral\noexpand{\bidil@looprepeat@looprepeat}{\bidil@lo
6606 \afterassignment\bidil@looprepeat@dxbody\bidil@looprepeat@csromannumeral{\bidil@looprepeat@to
6607
6608 % Define and execute loop body
6609 % This is done with an \edef to construct the actual sequence
6610 \def\bidil@looprepeat@dxbody{\bidil@looprepeat@csargromannumeral\edef{\bidil@looprepeat@body}{%
6611 \bidil@looprepeat@csargromannumeral\the{\bidil@looprepeat@wtest}%
6612 \noexpand\the\bidil@looprepeat@csargromannumeral\noexpand{\bidil@looprepeat@toks}%
6613 \bidil@looprepeat@csargromannumeral\the{\bidil@looprepeat@utest}%
6614 \global\bidil@looprepeat@csargromannumeral\advance{\bidil@looprepeat@count} by \bidil@loopr
6615 \noexpand\endlooprepeat
6616 \bidil@looprepeat@csargromannumeral\noexpand{\bidil@looprepeat@looprepeat}}%
6617 \bidil@looprepeat@csromannumeral{\bidil@looprepeat@body}\ignorespaces}
6618
6619 % Stop test
6620 %% In order to stop, issue a
6621 % \breaklooprepeat which scoops up the rest of the body and exits
6622 \def\breaklooprepeat#1\endlooprepeat{\bidil@looprepeat@zero\bidil@looprepeat@csargromannumera
6623 \advance\bidil@looprepeat@depth\m@ne \bidil@looprepeat@traceexit
6624 }
6625
6626
6627 % Setup
6628 % gather bounds and termination conditions
6629 \def\bidil@looprepeat@setup#1{%
6630 \begingroup
6631 \def\forvariable##1{%
6632 \edef\bidil@looprepeat@tmp{%
6633 \global\let\bidil@looprepeat@csarg\noexpand{##1}\bidil@looprepeat@csromannumeral{\bidil
6634 \bidil@looprepeat@tmp}%
6635 \def\fromvalue##1{\bidil@looprepeat@csargromannumeral\global{\bidil@looprepeat@count}##1\i
6636 \def\tovalue##1{%
6637 \edef\bidil@looprepeat@tmp{\global\bidil@looprepeat@csargromannumeral\noexpand{\bidil@lo
6638 {\bidil@looprepeat@csargromannumeral\the{\bidil@looprepeat@wtest}%
6639 \noexpand\ifnum\bidil@looprepeat@csargromannumeral\noexpand{\bidil@looprepeat@count}\b
6640 \noexpand\expandafter \noexpand\breaklooprepeat
6641 \noexpand\fi}\ignorespaces}%
6642 \bidil@looprepeat@tmp}%
6643 \def\downtovalue##1{%
6644 \gdef\bidil@looprepeat@sign{-}\gdef\bidil@looprepeat@comp{<}\tovalue{##1}\ignorespaces}
6645 \def\bystep##1{\ifnum##1<0 \bidil@error{LOOPREPEAT: increment has to be a positive value
6646 \bidil@looprepeat@csargromannumeral\gdef{\bidil@looprepeat@inc}{-##1}\else
6647 \bidil@looprepeat@csargromannumeral\gdef{\bidil@looprepeat@inc}{##1}\fi\ignores
6648 \def\untilcondition##1{%
6649 \edef\bidil@looprepeat@tmp{\global\bidil@looprepeat@csargromannumeral\noexpand{\bidil@lo
6650 {\noexpand##1\relax

```



```

6651         \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6652         \bidi@looprepeat@tmp}%
6653     \def\whilecondition##1{%
6654         \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@tmp}%
6655         {\noexpand##1\relax \noexpand\else
6656         \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6657     \bidi@looprepeat@tmp}%
6658     \fromvalue{\@ne}\bystep{\@ne}#1%
6659 \endgroup}
6660 \def\bidi@looprepeat@zero
6661     {\bidi@looprepeat@csromannumeral\bidi@looprepeat@toks}{ }\bidi@looprepeat@csromannumeral\bidi@looprepeat@tmp}%
6662     \bidi@looprepeat@csargromannumeral\def\bidi@looprepeat@body{ }%
6663
6664 %\tracingmacros2
6665 %\newcount\tmpcount % used in some examples below
6666
6667 %\looprepeat \forvariable{i}
6668 %     \bystep{2}
6669 % \doloopbody {%
6670 %     \ifnum i=13 \expandafter\breaklooprepeat \fi
6671 %     \number{i} } %
6672 %}%
6673
6674 %\looprepeat \forvariable{iii}
6675 %     \tovalue{8}
6676 % \doloopbody {}
6677 %After loop: \number{iii}%
6678
6679 %\looprepeat \forvariable{i}
6680 %     \fromvalue{10}
6681 %     \bystep{2}
6682 %     \downtovalue{0}
6683 % \doloopbody {\number{i} }
6684
6685 %\looprepeat \forvariable{x} \whilecondition{\ifnum x<7}
6686 % \doloopbody {\number{x} }
6687
6688 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
6689
6690 %\looprepeat \forvariable{j}
6691 %     \untilcondition{\tmpcount>j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
6692 % \doloopbody {\number{j} }
6693
6694 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
6695 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
6696 % \doloopbody {(\number{i}.\number{j}) }
6697 % }
6698
6699 % infinite loop
6700 %\looprepeat \doloopbody {}
6701
6702 \renewcommand{\InputIfFileExists}[2]{%
6703     \begingroup\expandafter\expandafter\expandafter\endgroup
6704     \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax

```



```

6705 \expandafter\@secondoftwo
6706 \else
6707 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
6708 \expandafter\@firstoftwo
6709 \fi
6710 {%
6711 \expandafter\InputIfFileExists\expandafter{\csname
6712 #1-@bidi@alias\endcsname}{#2}%
6713 }%
6714 {\IfFileExists{#1}{%
6715 \bidi@load@hook{before}{#1}%
6716 #2\@addtofilelist{#1}%
6717 \@input \@file@und
6718 \bidi@load@hook{after}{#1}%
6719 }}%
6720 }
6721
6722 \newcommand*\bidi@loadwithoptions{}
6723 \newcommand*\bidi@loadwithoptions{}
6724 \let\bidi@loadwithoptions\@loadwithoptions
6725
6726 \renewcommand*\@loadwithoptions}[3]{%
6727 \begingroup\expandafter\expandafter\expandafter\endgroup
6728 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
6729 \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
6730 \else
6731 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
6732 \def\bidi@loadwithoptions{%
6733 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
6734 }%
6735 \fi
6736 \bidi@loadwithoptions
6737 }
6738
6739 \newcommand*\bidi@onefilewithoptions{}
6740 \let\bidi@onefilewithoptions\@onefilewithoptions
6741 \def\bidi@onefilewithoptions#1[#2][#3]#4{%
6742 \begingroup\expandafter\expandafter\expandafter\endgroup
6743 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
6744 \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
6745 \else
6746 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
6747 \edef\bidi@onefilewithoptions{%
6748 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
6749 \fi
6750 \bidi@onefilewithoptions[#{2}][#{3}]{#4}%
6751 \bidi@load@hook{lateafter}{#1.#4}%
6752 }
6753
6754 \newcommand*\bidi@ReplaceInput}[2]{%
6755 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
6756 }
6757
6758 \newcommand*\bidi@UnReplaceInput}[1]{%

```



```

6759 \ifcsname #1-@bidi@alias\endcsname
6760 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
6761 \fi
6762 }
6763
6764 \newcommand*{\@bidi@replacefilewithtext}[3]{%
6765 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
6766 }
6767 \newcommand*{\bidi@ReplacePackage}[2]{%
6768 \@bidi@replacefilewithtext{#1}{#2}\@pkgextension
6769 }
6770 \newcommand*{\bidi@ReplaceClass}[2]{%
6771 \@bidi@replacefilewithtext{#1}{#2}\@clsextension
6772 }
6773 \newcommand*{\@bidi@unreplacefilewithtext}[2]{%
6774 \ifcsname #1.#2-@bidi@aliasname\endcsname
6775 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
6776 \fi
6777 }
6778 \newcommand*{\bidi@UnReplacePackage}[1]{%
6779 \@bidi@unreplacefilewithtext{#1}\@pkgextension
6780 }
6781 \newcommand*{\bidi@UnReplaceClass}[1]{%
6782 \@bidi@unreplacefilewithtext{#1}\@clsextension
6783 }
6784 \newcommand*{\bidi@replacefile@msg}[2]{%
6785 \PackageInfo{biditools}{inputting `#1' instead of `#2'}%
6786 }
6787
6788 \newcommand*{\bidi@load@hook}[2]{%
6789 \@ifundefined{#2-@#1}{-}{%
6790 \@nameuse{#2-@#1}%
6791 \expandafter\let\csname #2-@#1\endcsname=\relax}}
6792 \newcommand*{\bidi@set@load@hook}[2]{%
6793 \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{-}}{%
6794 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
6795 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
6796 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
6797 \newcommand*{\bidi@BeforeClass}[1]{%
6798 \bidi@set@load@hook{before}{#1.\@clsextension}}
6799 \newcommand*{\bidi@AfterClass}{%
6800 \@ifstar {\@s@bidi@AfterClass}{%
6801 \@ifnextchar +\@@bidi@AfterClass{%
6802 \@ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
6803 }%
6804 }%
6805 }
6806
6807 \newcommand*{\@@@bidi@AfterClass}[2]{%
6808 \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
6809 \aftergroup\@s@bidi@AfterClass
6810 \else
6811 \aftergroup\bidi@AfterAtEndOfClass
6812 \fi

```



```

6813 \endgroup{#2}%
6814 }
6815
6816 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
6817 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
6818 \newcommand*{\@bidi@AfterClass}[2]{%
6819 \beginingroup
6820 \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
6821 \aftergroup\@s@bidi@AfterClass
6822 \else
6823 \aftergroup\@bidi@AfterClass
6824 \fi
6825 \endgroup{#2}%
6826 }
6827
6828 \newcommand*{\@bidi@AfterClass}[1]{%
6829 \bidi@set@load@hook{after}{#1.\@clsextension}}
6830 \newcommand*{\@s@bidi@AfterClass}[1]{%
6831 \beginingroup
6832 \@ifclassloaded{#1}{%
6833 \aftergroup\@secondoftwo
6834 }{%
6835 \aftergroup\@bidi@AfterClass
6836 }%
6837 \endgroup
6838 {#1}%
6839 }
6840
6841
6842 \newcommand*{\bidi@BeforePackage}[1]{%
6843 \bidi@set@load@hook{before}{#1.\@pkgextension}}
6844 \newcommand*{\bidi@AfterPackage}{%
6845 \@ifstar {\@s@bidi@AfterPackage}{%
6846 \@ifnextchar +\@bidi@AfterPackage{%
6847 \@ifnextchar !\@@@bidi@AfterPackage\@bidi@AfterPackage
6848 }%
6849 }%
6850 }
6851 \newcommand*{\@@@bidi@AfterPackage}[2]{%
6852 \beginingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
6853 \aftergroup\@s@bidi@AfterPackage
6854 \else
6855 \aftergroup\bidi@AfterAtEndOfPackage
6856 \fi
6857 \endgroup{#2}%
6858 }
6859 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
6860 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
6861 \newcommand*{\@@bidi@AfterPackage}[2]{%
6862 \beginingroup
6863 \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
6864 \aftergroup\@s@bidi@AfterPackage
6865 \else
6866 \aftergroup\@bidi@AfterPackage

```



```

6867 \fi
6868 \endgroup{#2}%
6869 }
6870 \newcommand*{\@bidi@AfterPackage}[1]{%
6871 \bidi@set@load@hook{after}{#1.\@pkgextension}}
6872 \newcommand*{\@s@bidi@AfterPackage}[1]{%
6873 \beginingroup
6874 \@ifpackageloaded{#1}{%
6875 \aftergroup\@secondoftwo
6876 }{%
6877 \aftergroup\@bidi@AfterPackage
6878 }%
6879 \endgroup
6880 {#1}%
6881 }
6882
6883 \newcommand*{\bidi@excludedpackages}{}
6884 \let\bidi@excludedpackages\@empty
6885 \newcommand*{\bidi@saved@RequirePackage}{}
6886 \newcommand*{\bidi@PreventPackageFromLoading}{}
6887 \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
6888 {\@bidi@PreventPackageFromLoading\PackageWarning}%
6889 }
6890 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
6891 \@ifnextchar [%]
6892 {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
6893 }
6894 \newcommand*{\@bidi@PreventPackageFromLoading}{}
6895
6896 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
6897 \edef\reserved@b{\zap@space#3 \@empty}%
6898 \ifx \reserved@b\@empty
6899 #1{biditools}{%
6900 \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
6901 argument ignored%
6902 }%
6903 }
6904 \else
6905 \ifx\bidi@excludedpackages\@empty
6906 \let\bidi@saved@RequirePackage\RequirePackage
6907 \let\RequirePackage\bidi@RequirePackage
6908 \def\reserved@a##1##{%
6909 \latex@error
6910 {\noexpand \usepackage before \string\documentclass}%
6911 {\noexpand \usepackage may only appear in the document
6912 preamble, i.e.,\MessageBreak
6913 between \noexpand\documentclass and
6914 \string\begin{document}.}%
6915 \gobble}%
6916 \ifx\reserved@a\usepackage\else
6917 \ifx\usepackage\bidi@saved@RequirePackage\else
6918 \PackageWarning{biditools}{%
6919 Maybe serious problem: unexpected definition of\MessageBreak
6920 \string\usepackage
6921 }%

```



```

6921     \fi
6922     \let\usepackage\RequirePackage
6923   \fi
6924 \fi
6925 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
6926 \reserved@b\do {%
6927   \ifx\reserved@a\@empty
6928     #1{biditools}{%
6929     empty package argument for
6930     \string\bid@PreventPackageFromLoading\MessageBreak
6931     ignored%
6932   }%
6933 \else
6934   \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
6935     #1{biditools}{%
6936     package `\'reserved@a' already loaded.\MessageBreak
6937     Cannot prevent it from beeing loaded%
6938   }%
6939 }{%
6940   \edef\bid@excludedpackages{\bid@excludedpackages,%
6941   \reserved@a}%
6942   \if\relax\detokenize{#2}\relax\else
6943     \@ifundefined{bid@exclude@package@\reserved@a @do}{%
6944     \@namedef{bid@exclude@package@\reserved@a @do}{}%
6945   }{%
6946     \expandafter\def
6947     \csname bid@exclude@package@\reserved@a
6948     @do\expandafter\expandafter\expandafter\endcsname
6949     \expandafter\expandafter\expandafter{%
6950     \csname bid@exclude@package@\reserved@a @do\endcsname
6951     #2%
6952   }%
6953 \fi
6954 }%
6955 \fi
6956 }%
6957 \ifx\bid@excludedpackages\@empty
6958   \bid@ResetPreventPackageFromLoading
6959 \fi
6960 \fi
6961 }
6962
6963 \@onlypreamble\bid@PreventPackageFromLoading
6964 \newcommand*{\bid@ResetPreventPackageFromLoading}{%
6965   \let\bid@excludedpackages\@empty
6966   \ifx\RequirePackage\bid@RequirePackage
6967     \ifx\usepackage\RequirePackage
6968       \let\usepackage\bid@saved@RequirePackage
6969     \fi
6970   \let\RequirePackage\bid@saved@RequirePackage
6971   \fi
6972 }
6973 \@onlypreamble\bid@ResetPreventPackageFromLoading
6974 \newcommand*{\bid@StorePreventPackageFromLoading}[1]{%

```



```

6975 \let#1\@bidi@excludedpackages
6976 }
6977 \@onlypreamble\@bidi@storepreventpackagefromloading
6978 \newcommand*{\@bidi@unpreventpackagefromloading}{%
6979 \ifstar {\@tempswatrue\@bidi@unpreventpackagefromloading}%
6980          {\@tempswafalse\@bidi@unpreventpackagefromloading}%
6981 }
6982
6983 \newcommand*{\@bidi@unpreventpackagefromloading}[1]{%
6984 \edef\reserved@b{\zap@space#1 \@empty}%
6985 \if@tempswa
6986 \for\reserved@a:=\reserved@b\do {%
6987 \ifx\reserved@a\@empty \else
6988 \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
6989 \expandafter\let
6990 \csname bidi@exclude@package@\reserved@a @do\endcsname
6991 \undefined
6992 \fi
6993 \fi
6994 }%
6995 \fi
6996 \ifcsname bidi@excludedpackages\endcsname
6997 \let\reserved@a\@bidi@excludedpackages
6998 \let\@bidi@excludedpackages\@empty
6999 \expandafter\for\expandafter\reserved@c
7000 \expandafter:\expandafter=\reserved@a
7001 \do{%
7002 \ifx\reserved@c\@empty\else
7003 \expandtwoargs\in@{,\reserved@c,}{,\reserved@b,}%
7004 \ifin@
7005 \else
7006 \edef\@bidi@excludedpackages{%
7007 \bidi@excludedpackages,\reserved@c
7008 }%
7009 \fi
7010 \fi
7011 }%
7012 \ifx\@bidi@excludedpackages\@empty\@bidi@resetpreventpackagefromloading\fi
7013 \fi
7014 }
7015
7016
7017 \newcommand*{\@bidi@requirepackage}[2][ ]{%
7018 \let\reserved@c\@empty
7019 \let\reserved@d\@empty
7020 \edef\reserved@b{\zap@space#2 \@empty}%
7021 \expandafter\for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
7022 \do {%
7023 \begingroup
7024 \@tempswatrue
7025 \for\reserved@a:=\@bidi@excludedpackages\do {%
7026 \ifx\reserved@a\reserved@b
7027 \@tempswafalse
7028 \fi

```



```

7029     }%
7030     \if@tempwa
7031         \xdef\reserved@c{\reserved@c,\reserved@b}%
7032     \else
7033         \ifx\reserved@b\@empty\else
7034             \PackageInfo{biditools}{Excluding package `\'reserved@b'\MessageBreak
7035                 from loading}%
7036             \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
7037                 }{%
7038                     \expandafter\g@addto@macro\expandafter\reserved@d
7039                     \csname bidi@exclude@package@\reserved@b @do\endcsname
7040                 }%
7041             \fi
7042         \fi
7043     \endgroup
7044 }%
7045 \ifx\reserved@c\@empty
7046     \let\reserved@a\bidi@gobbleopt
7047 \else
7048     \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
7049         \expandafter\@gobble\reserved@c\@empty}}%
7050 \fi
7051 \expandafter\reserved@d
7052 \reserved@a
7053 }
7054
7055 \newcommand{\bidi@gobbleopt}[1][]{ }
7056 \AtEndDocument{%
7057     \let\bidi@saved@checkend=\@checkend
7058     \renewcommand*{\@checkend}[1]{%
7059         \def\reserved@a{#1}\def\reserved@b{document}%
7060         \bidi@saved@checkend{#1}%
7061         \ifx\reserved@a\reserved@b
7062             \let\bidi@saved@clearpage=\clearpage
7063             \renewcommand*{\clearpage}{\bidi@saved@clearpage
7064                 \bidi@hook@bcma
7065                 \bidi@restore@newpage
7066                 \let\clearpage=\bidi@saved@clearpage}%
7067             \fi%
7068             \let\bidi@saved@dofilelist\@dofilelist
7069             \def\@dofilelist{%
7070                 \bidi@hook@acma
7071                 \let\@dofilelist\bidi@saved@dofilelist
7072                 \bidi@saved@dofilelist
7073             }%
7074         }%
7075 }
7076
7077
7078 \newcommand*{\bidi@saved@checkend}{}
7079 \newcommand*{\bidi@saved@dofilelist}{}
7080 \newcommand*{\bidi@redefine@newpage}{%
7081     \let\bidi@saved@newpage\newpage
7082     \def\bidi@restore@newpage{%

```



```

7083 \renewcommand*{\newpage}{%
7084 \PackageWarningNoLine{%
7085     biditools%
7086 }{%
7087     \string\newpage\space at main aux file!\MessageBreak
7088     You have output material at the main aux file.\MessageBreak
7089     Note, that the \string\bid@BeforeClosingMainAux\space commands\MessageBreak
7090     are processed before the output from aux file%
7091 }%
7092 \let\newpage\bid@saved@newpage
7093 \newpage
7094 }%
7095 }%
7096 \renewcommand*{\newpage}{%
7097 \PackageError{%
7098     biditools%
7099 }{%
7100     \string\newpage\space at \string\bid@BeforeClosingMainAux
7101 }{%
7102     You should never use \string\newpage\space or
7103     \string\clear(double)page or other output material at the\MessageBreak
7104     argument of \string\bid@BeforeClosingMainAux!\MessageBreak
7105     If you'll continue, the \string\newpage\space will be ignored to
7106     avoid corruption of\MessageBreak
7107     every prior use of \string\bid@BeforeClosingMainAux.
7108 }%
7109 }%
7110 }
7111
7112 \newcommand*{\bid@restore@newpage}{%
7113 \newcommand*{\bid@hook@bcma}{%
7114 \newcommand*{\bid@hook@acma}{%
7115 \newcommand*{\bid@BeforeClosingMainAux}{%
7116     \ifx\bid@hook@bcma\@empty
7117         \gdef\bid@hook@bcma{%
7118             \renewcommand*{\bid@BeforeClosingMainAux}[1]{###1}%
7119             \let\protected@write\bid@protected@immediate@write
7120             \bid@redefine@newpage
7121         }%
7122     \fi
7123     \g@addto@macro\bid@hook@bcma%
7124 }
7125
7126 \newcommand*{\bid@AfterReadingMainAux}{%
7127     \ifx\bid@hook@acma\@empty
7128         \gdef\bid@hook@acma{%
7129             \renewcommand*{\bid@AfterReadingMainAux}[1]{###1}%
7130             \let\protected@write\bid@protected@immediate@write
7131         }%
7132     \fi
7133     \g@addto@macro\bid@hook@acma%
7134 }
7135
7136 \long\def\bid@protected@immediate@write#1#2#3{%

```



```

7137 \begingroup
7138 #2%
7139 \let\protect\@unexpandable@protect
7140 \edef\reserved@a{\immediate\write#1{#3}}%
7141 \reserved@a
7142 \endgroup
7143 \if@nobreak\ifvmode\nobreak\fi\fi
7144 }
7145
7146 \def\@bidi@patch@counter{0}%
7147 \if@bidi@csundef{numexpr}{%
7148 \def\@bidi@patch@stepcounter{%
7149 \begingroup
7150 \count@\@bidi@patch@counter\relax
7151 \advance\count@\@ne\relax
7152 \edef\x{\endgroup
7153 \noexpand\def\noexpand\@bidi@patch@counter{\the\count@}%
7154 }%
7155 \x
7156 }%
7157 }{%
7158 \def\@bidi@patch@stepcounter{%
7159 \edef\@bidi@patch@counter{%
7160 \the\numexpr\@bidi@patch@counter+\@ne\relax
7161 }%
7162 }%
7163 }
7164 \def\@bidi@patch@list{}
7165 \def\@bidi@patch@Add{%
7166 \bidi@appto\@bidi@patch@list
7167 }
7168 \def\@bidi@patch@AfterPackage#1{%
7169 \@ifpackageloaded{#1}{%
7170 \@firstofone
7171 }{%
7172 \@bidi@patch@AfterPackage{#1}%
7173 }%
7174 }
7175 \def\@bidi@patch@AfterPackage#1{%
7176 \edef\@bidi@patch@temp{#1}%
7177 \bidi@patch@stepcounter
7178 \expandafter\@bidi@patch@@AfterPackage
7179 \csname @bidi@patch@\@bidi@patch@counter\expandafter\endcsname{%
7180 \@bidi@patch@temp
7181 }%
7182 }
7183 \def\@bidi@patch@@AfterPackage#1#2#3{%
7184 \begingroup
7185 \toks@{#3}%
7186 \xdef\@bidi@patch@gtemp{%
7187 \noexpand\@ifpackageloaded{#2}{%
7188 \noexpand\let\noexpand#1\noexpand\relax
7189 \the\toks@
7190 }{%

```



```

7191 }%
7192 \endgroup
7193 \let#1\bidipatch@gtemp
7194 \bidipatch@Add#1%
7195 \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
7196 }
7197
7198 \def\bidipatch@try#1#2#3{%
7199   \if@bidicsundef{#1}{}{%
7200     \csname #1\endcsname{#2}{#3}%
7201   }%
7202 }
7203
7204 \AtBeginDocument{\bidipatch@list}
7205
7206 \bidipatch@AtEndPreamble{\bidipatch@list}%
7207
7208 \bidipatch@AfterEndPreamble{%
7209   \let\bidipatch@OrgIfPackageLoaded\ifpackageloaded
7210   \let\bidipatch@OrgIfPackageLater\ifpackagelater
7211   \let\bidipatch@OrgIfClassLoaded\ifclassloaded
7212   \let\bidipatch@OrgIfClassLater\ifclasslater
7213   \bidipatch@list
7214   \let\bidipatch@OrgIfPackageLoaded\bidipatch@OrgIfPackageLoaded
7215   \let\bidipatch@OrgIfPackageLater\bidipatch@OrgIfPackageLater
7216   \let\bidipatch@OrgIfClassLoaded\bidipatch@OrgIfClassLoaded
7217   \let\bidipatch@OrgIfClassLater\bidipatch@OrgIfClassLater
7218 }%

```

53 File `bidituftefloat.sty`

```

7219 \NeedsTeXFormat{LaTeX2e}
7220 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
7221 bidi implementation of tufte float]
7222 \RequirePackage{xifthen}
7223 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
7224 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
7225 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidituftefloat@debug}}{\bi
7226 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\gobble}}
7227 \newboolean{\@bidituftefloat@reversegeometry}
7228 \setboolean{\@bidituftefloat@reversegeometry}{false}
7229 \DeclareOption{reversegeometry}{\setboolean{\@bidituftefloat@reversegeometry}{true}}
7230 \newboolean{\@bidituftefloat@a4paper}
7231 \DeclareOption{a4paper}{\setboolean{\@bidituftefloat@a4paper}{true}}
7232 \newboolean{\@bidituftefloat@b5paper}
7233 \DeclareOption{b5paper}{\setboolean{\@bidituftefloat@b5paper}{true}}
7234 \newboolean{\@bidituftefloat@symmetric}
7235 \newboolean{\@bidituftefloat@twoside}
7236 \DeclareOption{twoside}{%
7237   \@twoside true \mparswitch true%
7238   \setboolean{\@bidituftefloat@twoside}{true}%
7239   \setboolean{\@bidituftefloat@symmetric}{true}%
7240 }
7241 \DeclareOption{oneside}{%

```



```

7242 \@twosidefalse \@mparswitchfalse%
7243 \setboolean{@biditytfloat@twoside}{false}%
7244 \setboolean{@biditytfloat@symmetric}{false}%
7245 }
7246 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
7247 \newboolean{@biditytfloat@debug}
7248 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodet
7249 \ProcessOptions
7250 %% Globally sets the length
7251 \newcommand*{\gsetlength}[2]{%
7252   \setlength{#1}{#2}%
7253   \global#1=#1\relax%
7254 }
7255
7256 %% Set the font sizes and baselines to match biditytfloat's books
7257 \renewcommand\normalsize{%
7258   \@setfontsize\normalsize\@xpt{14}%
7259   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
7260   \abovedisplayshortskip \z@ \@plus3\p@
7261   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
7262   \belowdisplayskip \abovedisplayskip
7263   \let\@listi\@listI}
7264 \normalbaselineskip=14pt
7265 \normalsize
7266 \renewcommand\footnotesize{%
7267   \@setfontsize\footnotesize\@viipt{10}%
7268   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
7269   \abovedisplayshortskip \z@ \@plus\p@
7270   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
7271   \def\@listi{\leftmargin\leftmarginI
7272             \topsep 3\p@ \@plus\p@ \@minus\p@
7273             \parsep 2\p@ \@plus\p@ \@minus\p@
7274             \itemsep \parsep}%
7275   \belowdisplayskip \abovedisplayskip
7276 }
7277 %% Paragraph indentation and separation for marginal text
7278 \newcommand{\@biditytfloat@margin@par}{%
7279   \setlength{\RaggedRightParindent}{0.5pc}%
7280   \setlength{\JustifyingParindent}{0.5pc}%
7281   \setlength{\parindent}{0.5pc}%
7282   \setlength{\parskip}{0pt}%
7283 }
7284 \RequirePackage{ragged2e}
7285 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
7286 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginp
7287 \ifthenelse{\boolean{@biditytfloat@a4paper}}{
7288   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginp
7289   }}
7290 \ifthenelse{\boolean{@biditytfloat@b5paper}}{
7291   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66m
7292   }}{}%
7293 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpa
7294 \ifthenelse{\boolean{@biditytfloat@a4paper}}{
7295   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpa

```



```

7296 {}
7297 \ifthenelse{\boolean{@bidituftefloat@bfivepaper}}
7298 {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm}
7299 {}
7300 \ifthenelse{\boolean{@bidituftefloat@symmetric}}
7301 {}
7302 {\geometry{asymmetric}}% forces internal LaTeX `twoside'
7303 \setlength\marginparpush{10pt}
7304 %% Font for margin items
7305 \newcommand{\@bidituftefloat@marginfont}{\normalfont\footnotesize}
7306 \newcommand*{\@bidituftefloat@caption@font}{\@bidituftefloat@marginfont}
7307 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidituftefloat@caption@font}{#1}}
7308 \newcommand{\@bidituftefloat@justification}{\justifying}%
7309 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
7310 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
7311 \newboolean{@bidituftefloat@changepage}
7312 \IfFileExists{changepage.sty}{%
7313 \bidituftefloatDebugInfoNL{Found changepage.sty}
7314 \RequirePackage[strict]{changepage}
7315 \setboolean{@bidituftefloat@changepage}{true}
7316 }{%
7317 \bidituftefloatDebugInfoNL{Found chngpage.sty}
7318 \RequirePackage[strict]{chngpage}
7319 \setboolean{@bidituftefloat@changepage}{false}
7320 }
7321 \newboolean{@bidituftefloat@odd@page}
7322 \setboolean{@bidituftefloat@odd@page}{true}
7323 \newcommand*{\@bidituftefloat@checkoddpage}{%
7324 \checkoddpage%
7325 \ifthenelse{\boolean{@bidituftefloat@changepage}}{%
7326 \ifoddpage%
7327 \setboolean{@bidituftefloat@odd@page}{true}%
7328 \else%
7329 \setboolean{@bidituftefloat@odd@page}{false}%
7330 \fi%
7331 }{%
7332 \ifcpoddpage%
7333 \setboolean{@bidituftefloat@odd@page}{true}%
7334 \else%
7335 \setboolean{@bidituftefloat@odd@page}{false}%
7336 \fi%
7337 }%
7338 }
7339 \newlength{\@bidituftefloat@overhang}% used by the fullwidth environment and the running head
7340 \newlength{\@bidituftefloat@fullwidth}
7341 \newlength{\@bidituftefloat@caption@fill}
7342 \newcommand{\bidituftefloatRecalculate}{%
7343 \setlength{\@bidituftefloat@overhang}{\marginparwidth}
7344 \addtolength{\@bidituftefloat@overhang}{\marginparsep}
7345
7346 \setlength{\@bidituftefloat@fullwidth}{\textwidth}
7347 \addtolength{\@bidituftefloat@fullwidth}{\marginparsep}
7348 \addtolength{\@bidituftefloat@fullwidth}{\marginparwidth}
7349

```



```

7350 \setlength{\@biditytfloat@caption@fill}{\textwidth}
7351 \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
7352 }
7353 \AtBeginDocument{\biditytfloatRecalculate}
7354 \RequirePackage{optparams}% provides multiple optional arguments for commands
7355 \RequirePackage{placeins}
7356 \newsavebox{\@biditytfloat@margin@floatbox}
7357 \newenvironment{\@biditytfloat@margin@float}[2][-1.2ex]%
7358 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in
7359 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
7360 \begin{minipage}{\marginparwidth}%
7361 \@biditytfloat@caption@font%
7362 \def\@capttype{#2}%
7363 \hbox{\vspace*{#1}%
7364 \@biditytfloat@caption@justification%
7365 \@biditytfloat@margin@par%
7366 \noindent%
7367 }
7368 {\end{minipage}%
7369 \end{lrbox}%
7370 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}}%
7371 }
7372 \newenvironment{marginfigure}[1][-1.2ex]%
7373 {\begin{\@biditytfloat@margin@float}[#1]{figure}}
7374 {\end{\@biditytfloat@margin@float}}
7375 \newenvironment{marginfigure}[1][-1.2ex]%
7376 {\begin{\@biditytfloat@margin@float}[#1]{table}}
7377 {\end{\@biditytfloat@margin@float}}
7378 \newcommand*\@biditytfloat@justification@autodetect{\justifying}%
7379
7380 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float
7381 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
7382 \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}%
7383 {\def\@biditytfloat@float@debug@info{#1}}%
7384 {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
7385 }
7386 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
7387 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@deb
7388 \newboolean{\@biditytfloat@float@recto}
7389 \newcommand{\forcerectofloat}{\GlobalSetBoolean{\@biditytfloat@float@recto}{true}\@bidityt
7390 \newcommand{\forceversofloat}{\GlobalSetBoolean{\@biditytfloat@float@recto}{false}\@bidityt
7391 \newsavebox{\@biditytfloat@figure@box}
7392 \newsavebox{\@biditytfloat@caption@box}
7393 \let\@biditytfloat@orig@float\@float
7394 \let\@biditytfloat@orig@endfloat\endfloat
7395 \newlength{\@biditytfloat@caption@vertical@offset}
7396 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
7397 \newcommand{\@biditytfloat@stored@shortcaption}{%
7398 \newcommand{\@biditytfloat@stored@caption}{%
7399 \newcommand{\@biditytfloat@stored@label}{%
7400 \long\def\@biditytfloat@caption[#1][#2]#3{%
7401 \ifthenelse{\isempty{#1}}%
7402 {\gdef\@biditytfloat@stored@shortcaption{#3}}%
7403 {\gdef\@biditytfloat@stored@shortcaption{#1}}%

```



```

7404 \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to
7405 \gdef\@biditytfloat@stored@caption{#3}%
7406 }
7407 \newcommand{\@biditytfloat@label}[1]{%
7408 \gdef\@biditytfloat@stored@label{#1}%
7409 }
7410 \newcommand{\@biditytfloat@fps}{}
7411 \newboolean{\@biditytfloat@float@star}
7412 \newlength{\@biditytfloat@float@contents@width}
7413 \newenvironment{\@biditytfloat@float}[3][htbp]%
7414 {% begin \@biditytfloat@float
7415 % Should this float be full-width or just text-width?
7416 \ifthenelse{\equal{#3}{star}}%
7417 {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
7418 {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
7419 % Check page side (recto/verso) and store detected value -- can be overridden in environ
7420 \@biditytfloat@checkoddpage%
7421 \ifthenelse{\boolean{\@biditytfloat@odd@page}}%
7422 {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug{Det
7423 {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug{De
7424 % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-page
7425 \renewcommand{\@biditytfloat@fps}{#1}%
7426 \@biditytfloat@float@debug{Allowed positions: [ #1 ]}%
7427 \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
7428 {\renewcommand{\floatalignment}{b}}\@biditytfloat@float@debug{Presumed position: [bo
7429 {\renewcommand{\floatalignment}{t}}\@biditytfloat@float@debug{Presumed position: [to
7430 % Capture the contents of the \caption and \label commands to use later
7431 \global\let\@biditytfloat@orig@caption\caption%
7432 \global\let\@biditytfloat@orig@label\label%
7433 \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[] [0pt]}}%
7434 \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
7435 % Handle subfigure package compatibility
7436 \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
7437 \bidi@patchcmd{\subfigure}{%
7438 \let\subfig@oldlabel=\label
7439 }{%
7440 \let\subfig@oldlabel=\@biditytfloat@orig@label
7441 }
7442 {}
7443 {}
7444 \let\subtable=\subfigure
7445 }}% subfigure package is not loaded
7446 \@biditytfloat@orig@float{#2}[#1]%
7447 \ifthenelse{\boolean{\@biditytfloat@float@star}}%
7448 {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
7449 {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
7450 \begin{lrbox}{\@biditytfloat@figure@box}%
7451 \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
7452 }{% end \@biditytfloat@float
7453 \par\hbox{} \vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}%
7454 \end{minipage}%
7455 \end{lrbox}%
7456 % build the caption box
7457 \begin{lrbox}{\@biditytfloat@caption@box}%

```



```

7458 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
7459 \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@ca
7460 \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@labe
7461 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
7462 \end{minipage}%
7463 \end{lrbox}%
7464 % now typeset the stored boxes
7465 \begin{fullwidth}%
7466 \begin{minipage}[\floatalignment]{\linewidth}%
7467 \ifthenelse{\boolean{\@biditytfloat@float@star}}%
7468 {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bid
7469 {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bid
7470 \end{minipage}%
7471 \end{fullwidth}%
7472 \@biditytfloat@orig@endfloat% end original LaTeX float environment
7473 % output debug info
7474 \ifthenelse{\boolean{\@biditytfloat@debug}}{%
7475 \typeout{^^J^^J----- biditytfloat package float information -----}%
7476 \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
7477 {\typeout{Warning: Float unlabeled!}}%
7478 {\typeout{Float label: [\@biditytfloat@stored@label]}}%
7479 \typeout{Page number: [\thepage]}%
7480 \def\MessageBreak{^^J}%
7481 \typeout{\@biditytfloat@float@debug@info}%
7482 \ifthenelse{\boolean{\@biditytfloat@symmetric}}%
7483 {\typeout{Symmetric: [true]}}%
7484 {\typeout{Symmetric: [false]}}%
7485 \typeout{-----^^J^^J}%
7486 }}%
7487 % reset commands and temp boxes and captions
7488 \gdef\@biditytfloat@float@debug@info{%
7489 \let\caption\@biditytfloat@orig@caption%
7490 \let\label\@biditytfloat@orig@label%
7491 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
7492 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
7493 \gdef\@biditytfloat@stored@shortcaption{%
7494 \gdef\@biditytfloat@stored@caption{%
7495 \gdef\@biditytfloat@stored@label{%
7496 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
7497 }
7498 \newcommand{\@biditytfloat@float@textwidth}[3][0pt]{%
7499 \ifthenelse{\NOT\boolean{\@biditytfloat@symmetric}}\OR\boolean{\@biditytfloat@float@rect
7500 % asymmetric or page is odd, so caption is on the right
7501 \hbox{%
7502 \usebox{#2}%
7503 \hspace{\marginparsep}%
7504 \smash{\raisebox{#1}{\usebox{#3}}}%
7505 }
7506 \@biditytfloat@float@debug{Caption position: [right]}%
7507 }{% symmetric pages and page is even, so caption is on the left
7508 \hbox{%
7509 \smash{\raisebox{#1}{\usebox{#3}}}%
7510 \hspace{\marginparsep}%
7511 \usebox{#2}%

```



```

7512 }
7513 \@biditytffloat@float@debug{Caption position: [left]]%
7514 }%
7515 }
7516 \newcommand{\@biditytffloat@float@fullwidth}[3][Opt]{%
7517 \ifthenelse{\equal{\floatalignment}{b}}{%
7518 {% place caption above figure
7519 \ifthenelse{\NOT\boolean{@biditytffloat@symmetric}}\OR\boolean{@biditytffloat@float@
7520 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytffloat@float@debu
7521 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytffloat@float@debu
7522 }{% place caption below figure
7523 \ifthenelse{\NOT\boolean{@biditytffloat@symmetric}}\OR\boolean{@biditytffloat@float@
7524 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytffloat@float@debu
7525 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytffloat@float@debu
7526 }%
7527 }
7528 \renewenvironment{figure}[1][htbp]{%
7529 {\ifvmode\else\unskip\fi\begin{@biditytffloat@float}[#1]{figure}{}}
7530 {\end{@biditytffloat@float}}
7531 \renewenvironment{table}[1][htbp]
7532 {\ifvmode\else\unskip\fi\begin{@biditytffloat@float}[#1]{table}{}}
7533 {\end{@biditytffloat@float}}
7534 \renewenvironment{figure*}[1][htbp]{%
7535 {\ifvmode\else\unskip\fi\begin{@biditytffloat@float}[#1]{figure}{star}}
7536 {\end{@biditytffloat@float}}
7537 \renewenvironment{table*}[1][htbp]{%
7538 {\ifvmode\else\unskip\fi\begin{@biditytffloat@float}[#1]{table}{star}}
7539 {\end{@biditytffloat@float}}
7540 \newenvironment{fullwidth}
7541 {\ifthenelse{\boolean{@biditytffloat@symmetric}}{%
7542 {\ifthenelse{\boolean{@biditytffloat@changepage}}{\begin{adjustwidth*}{-}\@biditytffloat@
7543 {\begin{adjustwidth}{-}\@biditytffloat@overhang}}%
7544 }%
7545 {\ifthenelse{\boolean{@biditytffloat@symmetric}}{%
7546 {\ifthenelse{\boolean{@biditytffloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}
7547 {\end{adjustwidth}}}%
7548 }
7549 \long\def\@caption#1[#2]#3{%
7550 \par%
7551 \addcontentsline{\csname ext@#1\endcsname}{#1}%
7552 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
7553 \begingroup%
7554 \@parboxrestore%
7555 \if@minipage%
7556 \@setminipage%
7557 \fi%
7558 \@biditytffloat@caption@font\@biditytffloat@caption@justification%
7559 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
7560 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
7561 \endgroup}
7562 %%
7563 % Turns newlines into spaces. Based on code from the 'titlesec' package.
7564 \DeclareRobustCommand{\@biditytffloat@newlinetospace}{%
7565 \@ifstar{\@biditytffloat@newlinetospace@i}{\@biditytffloat@newlinetospace@i}%

```



```

7566 }
7567 \def\@bidityfteheading@newlinetospace@i{%
7568   \ifdim\lastskip>\z@ \else \space \fi
7569   \ignorespaces%
7570 }
7571 \DeclareRobustCommand{\newlinetospace}[1]{%
7572   \let\@bidityfteheading@orig@cr\% save the original meaning of \
7573   \def\{\@bidityfteheading@newlinetospace}% turn \ and \* into \space
7574   \let\newline\% turn \newline into \space
7575   #1%
7576   \let\{\@bidityfteheading@orig@cr% revert to original meaning of \
7577 }
7578 \RequirePackage{fancyhdr}
7579 \pagestyle{fancy}
7580 \AtBeginDocument{%
7581   \ifthenelse{\boolean{@bidityftefloat@symmetric}}{
7582     {\fancyhfoffset[LE,RO]{\@bidityftefloat@overhang}}{
7583     {\fancyhfoffset[RE,RO]{\@bidityftefloat@overhang}}{
7584   }
7585 % The running heads/feet don't have rules
7586 \renewcommand{\headrulewidth}{0pt}
7587 \renewcommand{\footrulewidth}{0pt}
7588 % The 'fancy' page style is the default style for all pages.
7589 \fancyhf{} % clear header and footer fields
7590   \ifthenelse{\boolean{@bidityftefloat@symmetric}}{
7591     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
7592     {\fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7593     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7594 % The 'plain' page style is used on chapter opening pages.
7595 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
7596 % bottom of pages -- the folios are unexpressed.
7597 \fancypagestyle{plain}{
7598   \fancyhf{} % clear header and footer fields
7599   % Uncomment the following five lines of code if you want the opening page
7600   % of the chapter to express the folio in the lower outside corner.
7601   % \ifthenelse{\boolean{@bidityftefloat@symmetric}}{
7602   %   {\fancyfoot[LE,RO]{\thepage}}{
7603   %   {\fancyfoot[RE,RO]{\thepage}}{
7604 }
7605 % The 'empty' page style suppresses all headers and footers.
7606 % It's used on title pages and 'intentionally blank' pages.
7607 \fancypagestyle{empty}{
7608   \fancyhf{} % clear header and footer fields
7609 }
7610 \def\morefloats{% provides a total of 52 floats
7611   \ifthenelse{\isundefined{\bx@S}}{%
7612     \bidityftefloatDebugInfoNL{Adding 34 more float slots.}
7613     \newinsert\bx@S
7614     \newinsert\bx@T
7615     \newinsert\bx@U
7616     \newinsert\bx@V
7617     \newinsert\bx@W
7618     \newinsert\bx@X
7619     \newinsert\bx@Y

```



```

7620 \newinsert\bx@Z
7621 \newinsert\bx@a
7622 \newinsert\bx@b
7623 \newinsert\bx@c
7624 \newinsert\bx@d
7625 \newinsert\bx@e
7626 \newinsert\bx@f
7627 \newinsert\bx@g
7628 \newinsert\bx@h
7629 \newinsert\bx@i
7630 \newinsert\bx@j
7631 \newinsert\bx@k
7632 \newinsert\bx@l
7633 \newinsert\bx@m
7634 \newinsert\bx@n
7635 \newinsert\bx@o
7636 \newinsert\bx@p
7637 \newinsert\bx@q
7638 \newinsert\bx@r
7639 \newinsert\bx@s
7640 \newinsert\bx@t
7641 \newinsert\bx@u
7642 \newinsert\bx@v
7643 \newinsert\bx@w
7644 \newinsert\bx@x
7645 \newinsert\bx@y
7646 \newinsert\bx@z
7647 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7648 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7649 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7650 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7651 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7652 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7653 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7654 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7655 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7656 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7657 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7658 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
7659 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
7660 \ifthenelse{\isundefined{\bx@AA}}{%
7661 \biditytfloatDebugInfoNL{Adding 26 more float slots.}
7662 \newinsert\bx@AA
7663 \newinsert\bx@BB
7664 \newinsert\bx@CC
7665 \newinsert\bx@DD
7666 \newinsert\bx@EE
7667 \newinsert\bx@FF
7668 \newinsert\bx@GG
7669 \newinsert\bx@HH
7670 \newinsert\bx@II
7671 \newinsert\bx@JJ
7672 \newinsert\bx@KK
7673 \newinsert\bx@LL

```



```

7674 \newinsert\bx@MM
7675 \newinsert\bx@NN
7676 \newinsert\bx@OO
7677 \newinsert\bx@PP
7678 \newinsert\bx@QQ
7679 \newinsert\bx@RR
7680 \newinsert\bx@SS
7681 \newinsert\bx@TT
7682 \newinsert\bx@UU
7683 \newinsert\bx@VV
7684 \newinsert\bx@WW
7685 \newinsert\bx@XX
7686 \newinsert\bx@YY
7687 \newinsert\bx@ZZ
7688 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7689 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7690 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7691 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7692 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7693 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7694 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7695 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7696 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7697 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7698 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7699 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
7700 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
7701 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
7702 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
7703 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
7704 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
7705 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
7706 }{%
7707 \biditytfloatError{You may only call \string\morefloats\space twice. See the\Message
7708 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space o
7709 }%
7710 }%
7711 }
7712 \newboolean{@biditytfloat@packages@subfigure}
7713 \setboolean{@biditytfloat@packages@subfigure}{false}
7714 \AtBeginDocument{%
7715 \@ifpackageloaded{subfigure}
7716 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
7717 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
7718 }
7719 \AtBeginDocument{%
7720 \@ifpackageloaded{float}{%
7721 % Save the redefined float environment (instead of the LaTeX float environment)
7722 \let\@biditytfloat@orig@float\@float
7723 \let\@biditytfloat@orig@endfloat\end@float
7724
7725 % Define Tuftian float styles (with the caption in the margin)
7726 \newcommand{\floatc@biditytfloatplain}[2]{%
7727 \begin{lrbox}{\@biditytfloat@caption@box}%

```



```

7728 \begin{minipage}[floatalignment]{\marginparwidth}\hbox{}%
7729 \@bituftefloat@caption@font{\@fs@cfont #1:} #2\par%
7730 \end{minipage}%
7731 \end{lrbox}%
7732 \smash{\hspace{\@bituftefloat@caption@fill}}\usebox{\@bituftefloat@caption@box}}%
7733 }
7734 \newcommand{\fs@bituftefloatplain}{%
7735 \def\@fs@cfont{\@bituftefloat@caption@font}%
7736 \let\@fs@capt\floatc@bituftefloatplain%
7737 \def\@fs@pre{%
7738 \def\@fs@post}%
7739 \def\@fs@mid}%
7740 \let\@fs@iftopcapt\iftrue%
7741 }
7742 \let\fs@bituftefloatplaintop=\fs@bituftefloatplain
7743 \let\floatc@bituftefloatplaintop=\floatc@bituftefloatplain
7744 \newcommand\floatc@bituftefloatruled[2]{%
7745 {\@fs@cfont #1} #2\par%
7746 }
7747 \newcommand\fs@bituftefloatruled{%
7748 \def\@fs@cfont{\@bituftefloat@caption@font}%
7749 \let\@fs@capt\floatc@bituftefloatplain%
7750 \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
7751 \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
7752 \def\@fs@mid}%
7753 \let\@fs@iftopcapt\iftrue%
7754 }
7755 \newcommand\fs@bituftefloatboxed{%
7756 \def\@fs@cfont{%
7757 \let\@fs@capt\floatc@bituftefloatplain%
7758 \def\@fs@pre%
7759 \setbox\@currbox\vbox{\hbadness10000
7760 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
7761 \hrule \hbox to\hsize{\vrule\kern3pt
7762 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
7763 }%
7764 \def\@fs@mid{\kern2pt}%
7765 \def\@fs@post}%
7766 \let\@fs@iftopcapt\iftrue%
7767 }
7768 }{%
7769 % Nothing to do
7770 }
7771 }
7772 \AtBeginDocument{%
7773 \@ifpackageloaded{algorithm}{%
7774 % Set the float style to the Tufte version
7775 \ifthenelse{\equal{\ALG@floatstyle}{plain}}{OR\equal{\ALG@floatstyle}{ruled}}{OR\equal{\ALG@floatstyle}{MessageBreak}}{
7776 \biduftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak}
7777 \floatstyle{biduftefloat\ALG@floatstyle}%
7778 \restylefloat{algorithm}%
7779 }{}%
7780 }{%
7781 % Nothing to do

```



```

7782 }
7783 }
7784 \PassOptionsToPackage{caption=false}{subfig}

```

54 File `bidituftesidenote.sty`

```

7785 \NeedsTeXFormat{LaTeX2e}
7786 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
7787 bidi implementation of tuftesidenote]
7788 \RequirePackage{xifthen}
7789 \RequirePackage{ragged2e}
7790 \RequirePackage{setspace}
7791 \RequirePackage{biditools}
7792 \def\bidituftesidenotemarginpar{%
7793   \ifhmode
7794     \@bsphack
7795     \@floatpenalty -\@Mii
7796   \else
7797     \@floatpenalty-\@Miii
7798   \fi
7799   \ifinner
7800     \@parmoderr
7801     \@floatpenalty\z@
7802   \else
7803     \@next\@currbox\@freelist{}{}%
7804     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7805     {\@floatpenalty\z@
7806       \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7807   \fi
7808   \ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
7809 \long\def\@bidituftesidenotexmpar[#1]#2{%
7810   \@bidituftesidenotesavemarbox\@marbox{#1}%
7811   \@bidituftesidenotesavemarbox\@currbox{#2}%
7812   \@xympar}
7813 \long\def\@bidituftesidenoteympar#1{%
7814   \@bidituftesidenotesavemarbox\@marbox{#1}%
7815   \global\setbox\@currbox\copy\@marbox
7816   \@xympar}
7817 \long\def \@bidituftesidenotesavemarbox #1#2{%
7818   \global\setbox #1%
7819     \color@vbox
7820     \vtop{%
7821       \hsize\marginparwidth
7822       \@parboxrestore
7823       \@bidituftesidenotemarginparreset
7824       #2%
7825       \@minipagefalse
7826       \outer@nobreak
7827     }%
7828   \color@endbox
7829 }
7830 \def \@bidituftesidenotemarginparreset {%
7831   \reset@font
7832   \normalsize

```



```

7833         \@minipagetrue
7834         \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
7835 }
7836 \def\LTRbidityftesidenotemarginpar{%
7837   \ifhmode
7838     \@bsphack
7839     \@floatpenalty -\@Mii
7840   \else
7841     \@floatpenalty-\@Miii
7842   \fi
7843   \ifinner
7844     \@parmoderr
7845     \@floatpenalty\z@
7846   \else
7847     \@next\@currbox\@freelist{}\fi}%
7848     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7849     {\@floatpenalty\z@
7850     \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
7851   \fi
7852   \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
7853 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
7854   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7855   \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
7856   \@xympar}
7857 \long\def\@LTRbidityftesidenoteympar#1{%
7858   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7859   \global\setbox\@currbox\copy\@marbox
7860   \@xympar}
7861 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
7862   \global\setbox #1%
7863     \color@vbox
7864     \vtop{%
7865       \hsize\marginparwidth
7866       \@parboxrestore
7867       \@LTRbidityftesidenotemarginparreset
7868       #2%
7869       \@minipagefalse
7870       \outer@nobreak
7871     }%
7872   \color@endbox
7873 }
7874 \def \@LTRbidityftesidenotemarginparreset {%
7875   \reset@font
7876   \normalsize
7877   \@minipagetrue
7878   \everypar{\@minipagefalse\everypar{}\beginL}%
7879 }
7880 \def\RTLbidityftesidenotemarginpar{%
7881   \ifhmode
7882     \@bsphack
7883     \@floatpenalty -\@Mii
7884   \else
7885     \@floatpenalty-\@Miii
7886   \fi

```



```

7887 \ifinner
7888 \@parmoderr
7889 \@floatpenalty\z@
7890 \else
7891 \@next\@currbox\@freelist{}{}%
7892 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7893 {\@floatpenalty\z@
7894 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7895 \fi
7896 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
7897 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
7898 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
7899 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
7900 \@xympar}
7901 \long\def\@RTLbidityftesidenoteympar#1{%
7902 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
7903 \global\setbox\@currbox\copy\@marbox
7904 \@xympar}
7905 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
7906 \global\setbox #1%
7907 \color@vbox
7908 \vtop{%
7909 \hsize\marginparwidth
7910 \@parboxrestore
7911 \@RTLbidityftesidenotemarginparreset
7912 #2%
7913 \@minipagefalse
7914 \outer@nobreak
7915 }%
7916 \color@endbox
7917 }
7918 \def \@RTLbidityftesidenotemarginparreset {%
7919 \reset@font
7920 \normalsize
7921 \@minipagetrue
7922 \everypar{\@minipagefalse\everypar{}\beginR}%
7923 }
7924 \newcommand*\@bidityftesidenote@marginfont{\normalfont\footnotesize}
7925 \newcommand*\@bidityftesidenote@LTRmarginfont{\normalfont\footnotesize}
7926 \newcommand*\@bidityftesidenote@RTLmarginfont{\normalfont\footnotesize}
7927 \newcommand*\@bidityftesidenote@sidenote@font{\@bidityftesidenote@marginfont}
7928 \newcommand*\@bidityftesidenote@LTRsidenote@font{\@bidityftesidenote@LTRmarginfont}
7929 \newcommand*\@bidityftesidenote@RTLSidenote@font{\@bidityftesidenote@RTLmarginfont}
7930 \newcommand*\@bidityftesidenote@marginnote@font{\@bidityftesidenote@marginfont}
7931 \newcommand*\@bidityftesidenote@LTRmarginnote@font{\@bidityftesidenote@LTRmarginfont}
7932 \newcommand*\@bidityftesidenote@RTLmarginnote@font{\@bidityftesidenote@RTLmarginfont}
7933 \newcommand*\@bidityftesidenote@citation@font{\@bidityftesidenote@marginfont}
7934 \newcommand*\@bidityftesidenote@LTRcitation@font{\@bidityftesidenote@LTRmarginfont}
7935 \newcommand*\@bidityftesidenote@RTLCitation@font{\@bidityftesidenote@RTLmarginfont}
7936 \newcommand*\@setsidenote@font[1]{\renewcommand*\@bidityftesidenote@sidenote@font{#1}}
7937 \newcommand*\@setLTRsidenote@font[1]{\renewcommand*\@bidityftesidenote@LTRsidenote@font{#1}}
7938 \newcommand*\@setRTLSidenote@font[1]{\renewcommand*\@bidityftesidenote@RTLSidenote@font{#1}}
7939 \newcommand*\@setmarginnote@font[1]{\renewcommand*\@bidityftesidenote@marginnote@font{#1}}
7940 \newcommand*\@setLTRmarginnote@font[1]{\renewcommand*\@bidityftesidenote@LTRmarginnote@font{#1}}

```



```

7941 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@bituftesidenote@RTLmarginnote@font}[1]{\setRTLmarginnote@font}[1]}
7942 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bituftesidenote@citation@font}[1]{\setcitationfont}[1]}
7943 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bituftesidenote@LTRcitation@font}[1]{\setLTRcitationfont}[1]}
7944 \newcommand*{\setRTLcitationfont}[1]{\renewcommand*{\@bituftesidenote@RTLcitation@font}[1]{\setRTLcitationfont}[1]}
7945 \newcommand*{\@bituftesidenote@sidenote@justification}{\@bituftesidenote@justification}
7946 \newcommand*{\@bituftesidenote@marginnote@justification}{\@bituftesidenote@justification}
7947 \newcommand*{\@bituftesidenote@citation@justification}{\@bituftesidenote@justification}
7948 \newcommand*{\@bituftesidenote@justification@autodetect}{\justifying}%
7949 \newcommand{\@bituftesidenote@margin@par}{%
7950   \setlength{\RaggedRightParindent}{0.5pc}%
7951   \setlength{\JustifyingParindent}{0.5pc}%
7952   \setlength{\parindent}{0.5pc}%
7953   \setlength{\parskip}{0pt}%
7954 }
7955 %%
7956 % Globally sets the length
7957 \@ifundefined{gsetlength}{%
7958 \newcommand*{\gsetlength}[2]{%
7959   \setlength{#1}{#2}%
7960   \global#1=#1\relax%
7961 }%
7962 }{}
7963
7964 %%
7965 % A function that removes leading and trailing spaces from the supplied macro.
7966 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
7967 % Executing \@bituftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
7968 % being trimmed of leading and trailing white space.
7969 \catcode\Q=3
7970 \def\@bituftesidenote@trim@spaces#1{%
7971   % Use grouping to emulate a multi-token afterassignment queue
7972   \begingroup%
7973   % Put ``\toks 0 {' into the afterassignment queue
7974   \aftergroup\toks\aftergroup0\aftergroup{%
7975     % Apply \trimb to the replacement text of #1, adding a leading
7976     % \noexpand to prevent brace stripping and to serve another purpose
7977     % later.
7978     \expandafter\@bituftesidenote@trim@b\expandafter\noexpand#1\Q}%
7979   % Transfer the trimmed text back into #1.
7980   \edef#1{\the\toks0}%
7981 }
7982 % \trimb removes a trailing space if present, then calls \@bituftesidenote@trim@c to
7983 % clean up any leftover bizarre Qs, and trim a leading space. In
7984 % order for \trimc to work properly we need to put back a Q first.
7985 \def\@bituftesidenote@trim@b#1\Q{\@bituftesidenote@trim@c#1\Q}
7986 % Execute \vfuzz assignment to remove leading space; the \noexpand
7987 % will now prevent unwanted expansion of a macro or other expandable
7988 % token at the beginning of the trimmed text. The \endgroup will feed
7989 % in the \aftergroup tokens after the \vfuzz assignment is completed.
7990 \def\@bituftesidenote@trim@c#1\Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
7991 \catcode\Q=11
7992 %%
7993 % Citations should go in the margin as sidenotes
7994

```



```

7995 \RequirePackage{natbib}
7996 \RequirePackage{bibentry} % allows bibitems to be typeset outside the bibliography en
7997 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
7998 \renewcommand\BR@b@bibitem[2] []{%
7999   \ifthenelse{\isempty{#1}}{%
8000     {\BR@b@bibitem{#2}}%
8001     {\BR@b@bibitem{#1}{#2}}%
8002   \BR@c@bibitem{#2}%
8003 }
8004 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
8005 %%
8006 % Normal \cite behavior
8007 \newcounter{@bidityftesidenote@num@bibkeys}%
8008 \newcommand{@@bidityftesidenote@normal@cite}[2] [Opt]{%
8009   % Snag the last bibentry in the list for later comparison
8010   \let@temp@last@bibkey\@empty%
8011   \@for@temp@bibkey:=#2\do{\let@temp@last@bibkey\@temp@bibkey}%
8012   \sidenote[] [1]{%
8013     % Loop through all the bibentries, separating them with semicolons and spaces
8014     \normalsize\normalfont\@bidityftesidenote@citation@font%
8015     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8016     \@for@temp@bibkeyx:=#2\do{%
8017       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
8018         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\{and\ }%
8019           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8020           \bibentry{\@temp@bibkeyx}}%
8021         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8022           \bibentry{\@temp@bibkeyx};\ }%
8023       \stepcounter{@bidityftesidenote@num@bibkeys}%
8024     }%
8025   }%
8026 }
8027 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2] [Opt]{%
8028   % Snag the last bibentry in the list for later comparison
8029   \let@temp@last@bibkey\@empty%
8030   \@for@temp@bibkey:=#2\do{\let@temp@last@bibkey\@temp@bibkey}%
8031   \LTRsidenote[] [1]{%
8032     % Loop through all the bibentries, separating them with semicolons and spaces
8033     \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
8034     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8035     \@for@temp@bibkeyx:=#2\do{%
8036       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
8037         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\{and\ }%
8038           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8039           \bibentry{\@temp@bibkeyx}}%
8040         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8041           \bibentry{\@temp@bibkeyx};\ }%
8042       \stepcounter{@bidityftesidenote@num@bibkeys}%
8043     }%
8044   }%
8045 }
8046 \newcommand{\@bidityfteRTLSidenote@normal@cite}[2] [Opt]{%
8047   % Snag the last bibentry in the list for later comparison
8048   \let@temp@last@bibkey\@empty%

```



```

8049 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8050 \RTLsidenote[] [#1]{%
8051 % Loop through all the bibentries, separating them with semicolons and spaces
8052 \normalsize\normalfont\@bidityftesidenote@citation@font%
8053 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
8054 \@for\@temp@bibkeyx:=#2\do{%
8055 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
8056 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8057 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8058 \bibentry{\@temp@bibkeyx}}%
8059 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8060 \bibentry{\@temp@bibkeyx};\ }%
8061 \stepcounter{\@bidityftesidenote@num@bibkeys}%
8062 }%
8063 }%
8064 }
8065 %%
8066 % Macros for holding the list of cite keys until after the \sidenote
8067 \gdef\@bidityftesidenote@citations{}% list of cite keys
8068 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cit
8069 \ifx\@bidityftesidenote@citations\@empty\else
8070 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
8071 \fi
8072 \g@addto@macro\@bidityftesidenote@citations{#1}
8073 }
8074 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin n
8075 % Snag the last bibentry in the list for later comparison
8076 \let\@temp@last@bibkey\@empty%
8077 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}
8078 \marginpar{%
8079 \hbox{\vspace*{#1}}%
8080 \@bidityftesidenote@citation@font%
8081 \@bidityftesidenote@citation@justification%
8082 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8083 \vspace*{-1\baselineskip}}%
8084 % Loop through all the bibentries, separating them with semicolons and spaces
8085 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
8086 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
8087 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
8088 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8089 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8090 \bibentry{\@temp@bibkeyx}}%
8091 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8092 \bibentry{\@temp@bibkeyx};\ }%
8093 \stepcounter{\@bidityftesidenote@num@bibkeys}%
8094 }%
8095 }%
8096 }
8097 %%
8098 % \cite behavior when executed within a sidenote
8099 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
8100 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
8101 \@bidityftesidenote@add@citation{#1}
8102 }

```



```

8103 %%
8104 % Set the default \cite style. This is set and reset by the \sidenote command.
8105 \let\cite\@bidityftesidenote@normal@cite
8106 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
8107 \let\RTLcite\@bidityfteRTLSidenote@normal@cite
8108 %%
8109 % Transform existing \footnotes into \sidenotes
8110 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
8111 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arg
8112 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@siden
8113 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenot
8114 % Override footmisc's definition to set the sidenote marks (numbers) inside the
8115 % sidenote's text block.
8116 \bidi@patch@AfterPackage{bidi}{\long\def\@makeintext#1{\@textsuperscript{\@bidityftesidenot
8117 % Set the in-text footnote mark in the same typeface as the body text itself.
8118 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnot
8119 \providecommand*\multiplefootnotemarker}{3sp}
8120 \providecommand*\multfootsep}{,}
8121 \bidi@patch@AfterPackage{bidi}{\%
8122 \renewcommand{\@footnotemark}{\%
8123 \leavevmode\%
8124 \ifhmode\%
8125 \edef\@x@sf{\the\spacefactor}%
8126 \@bidityftesidenote@check@multiple@sidenotes\%
8127 \nobreak\%
8128 \fi\%
8129 \@makefnmark\%
8130 \ifhmode\spacefactor\@x@sf\fi\%
8131 \relax\%
8132 }%
8133 }
8134 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{\%
8135 \ifdim\lastkern=\multiplefootnotemarker\relax\%
8136 \edef\@x@sf{\the\spacefactor}%
8137 \unkern\%
8138 \textsuperscript{\multfootsep}\%
8139 \spacefactor\@x@sf\relax\%
8140 \fi
8141 }
8142 \bidi@patch@AfterPackage{bidi}{\%
8143 \renewcommand\@footnotetext[2][Opt]{\%
8144 \bidityftesidenotemarginpar{\%
8145 \hbox{\vspace*{#1}}\%
8146 \def\baselinestretch {\setspace@singlespace}\%
8147 \reset@font\%
8148 \bidi@\@footnotetext@font\% \reset@font\footnotesize\%
8149 \@bidityftesidenote@margin@par\% use parindent and parskip settings for marginal text
8150 \vspace*{-1\baselineskip}\noindent\%
8151 \protected@edef\@currentlabel{\%
8152 \csname p@footnote\endcsname\@thefnmark\%
8153 }%
8154 \color@begingroup\%
8155 \@makeintext{\%
8156 \ignorespaces#2\%

```



```

8157     }%
8158     \color@endgroup%
8159 }%
8160 }%
8161 \renewcommand\@LTRfootnotetext[2][Opt]{%
8162   \LTRbidituftesidenotemarginpar{%
8163     \hbox{}\vspace*{#1}%
8164     \def\baselinestretch {\setspace@singlespace}%
8165     \reset@font%
8166     \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
8167     \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
8168     \vspace*{-1\baselineskip}\noindent%
8169     \protected@edef\@currentlabel{%
8170       \csname p@footnote\endcsname\@thefnmark%
8171     }%
8172     \color@begingroup%
8173       \makefntext{%
8174         \ignorespaces#2%
8175       }%
8176     \color@endgroup%
8177   }%
8178 }%
8179 \renewcommand\@RTLfootnotetext[2][Opt]{%
8180   \RTLbidituftesidenotemarginpar{%
8181     \hbox{}\vspace*{#1}%
8182     \def\baselinestretch {\setspace@singlespace}%
8183     \reset@font%
8184     \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
8185     \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
8186     \vspace*{-1\baselineskip}\noindent%
8187     \protected@edef\@currentlabel{%
8188       \csname p@footnote\endcsname\@thefnmark%
8189     }%
8190     \color@begingroup%
8191       \makefntext{%
8192         \ignorespaces#2%
8193       }%
8194     \color@endgroup%
8195   }%
8196 }%
8197 }
8198 %
8199 % Define \sidenote command. Can handle \cite.
8200 \newlength{\@bidituftesidenote@sidenote@vertical@offset}
8201 \setlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}
8202 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
8203 \long\def\@bidituftesidenote@sidenote[#1][#2]#3{%
8204   \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
8205   \gdef\@bidituftesidenote@citations{}% clear out any old citations
8206   \ifthenelse{\NOT\isempty{#2}}{%
8207     \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
8208   }{%
8209     \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
8210   }%

```



```

8211 \ifthenelse{\isempty{#1}}{%
8212 % no specific footnote number provided
8213 \stepcounter{\mpfn%
8214 \protected@xdef\@thefnmark{\thempfn}%
8215 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8216 }{%
8217 % specific footnote number provided
8218 \begingroup%
8219 \csname c@\mpfn\endcsname #1\relax%
8220 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8221 \endgroup%
8222 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8223 }%
8224 \@bidityftesidenote@print@citations% print any citations
8225 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite com
8226 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LT
8227 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RT
8228 \unskip\ignorespaces% remove extra white space
8229 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
8230 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8231 }
8232 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
8233 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8234 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8235 \ifthenelse{\NOT\isempty{#2}}{%
8236 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8237 }{%
8238 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8239 }%
8240 \ifthenelse{\isempty{#1}}{%
8241 % no specific footnote number provided
8242 \stepcounter{\mpfn%
8243 \protected@xdef\@thefnmark{\thempfn}%
8244 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8245 }{%
8246 % specific footnote number provided
8247 \begingroup%
8248 \csname c@\mpfn\endcsname #1\relax%
8249 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8250 \endgroup%
8251 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8252 }%
8253 \@bidityftesidenote@print@citations% print any citations
8254 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite com
8255 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LT
8256 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RT
8257 \unskip\ignorespaces% remove extra white space
8258 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
8259 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8260 }
8261 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
8262 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8263 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8264 \ifthenelse{\NOT\isempty{#2}}{%

```



```

8265 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8266 }{%
8267 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8268 }%
8269 \ifthenelse{\isempty{#1}}{%
8270 % no specific footnote number provided
8271 \stepcounter\@mpfn%
8272 \protected@xdef\@thefnmark{\thempfn}%
8273 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8274 }{%
8275 % specific footnote number provided
8276 \begingroup%
8277 \csname c@\@mpfn\endcsname #1\relax%
8278 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8279 \endgroup%
8280 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8281 }%
8282 \@bidityftesidenote@print@citations% print any citations
8283 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite com
8284 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LT
8285 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RT
8286 \unskip\ignorespaces% remove extra white space
8287 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
8288 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8289 }
8290 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
8291 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
8292 \newcommand{\RTLSidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
8293 \bidi@patch@AfterPackage{bidi}{%
8294 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
8295 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
8296 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
8297 }
8298 %%
8299 % Sidenote without the footnote mark
8300 \newcommand\marginnote[2] [Opt]{%
8301 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8302 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8303 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidi
8304 \@bidityftesidenote@print@citations% print any citations
8305 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite com
8306 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LT
8307 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RT
8308 }
8309 \newcommand\LTRmarginnote[2] [Opt]{%
8310 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8311 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8312 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\
8313 \@bidityftesidenote@print@citations% print any citations
8314 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite com
8315 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LT
8316 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RT
8317 }
8318 \newcommand\RTLMarginnote[2] [Opt]{%

```



```

8319 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8320 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8321 \RTLbidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\
8322 \@bidityftesidenote@print@citations% print any citations
8323 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite com
8324 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LT
8325 \let\RLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RT
8326 }

```

55 File bidityftetoc.sty

```

8327 \NeedsTeXFormat{LaTeX2e}
8328 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
8329 bidi implementation of tufte toc]
8330 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
8331 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
8332 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
8333 %%
8334 % Turn off section numbering
8335 \setcounter{secnumdepth}{-1}
8336 \newboolean{\@bidityftetoc@toc}
8337 \setboolean{\@bidityftetoc@toc}{true}
8338 \DeclareOption{notoc}{\setboolean{\@bidityftetoc@toc}{false}}
8339 \DeclareOption{toc}{\setboolean{\@bidityftetoc@toc}{true}}
8340 \ProcessOptions
8341 %%
8342 % Make Tuftean-style section headings and TOC formatting
8343 \bidi@patch@AfterPackage{bidi}{%
8344 \titleformat{\chapter}%
8345 [display]% shape
8346 {\relax\ifthenelse{\NOT\boolean{\@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format
8347 {\itshape\huge\thechapter}% label
8348 {0pt}% horizontal separation between label and title body
8349 {\huge\rmfamily\itshape}% before the title body
8350 [\ifthenelse{\NOT\boolean{\@bidityftefloat@symmetric}}{\end{fullwidth}}{}}% after the titl
8351 \titleformat{\section}%
8352 [hang]% shape
8353 {\normalfont\Large\itshape}% format applied to label+text
8354 {\thesection}% label
8355 {1em}% horizontal separation between label and title body
8356 {}% before the title body
8357 []% after the title body
8358 \titleformat{\subsection}%
8359 [hang]% shape
8360 {\normalfont\large\itshape}% format applied to label+text
8361 {\thesubsection}% label
8362 {1em}% horizontal separation between label and title body
8363 {}% before the title body
8364 []% after the title body
8365 \titleformat{\paragraph}%
8366 [runin]% shape
8367 {\normalfont\itshape}% format applied to label+text
8368 {\theparagraph}% label
8369 {1em}% horizontal separation between label and title body

```



```

8370 {}% before the title body
8371 []% after the title body
8372 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
8373 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
8374 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
8375 }
8376 % Subsubsection and following section headings shouldn't be used.
8377 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
8378 \renewcommand\subsubsection{%
8379   \biditytetocError{\noexpand\subsubsection is undefined by this class.%
8380     \MessageBreak See Robert Bringhurst's _The Elements of
8381     \MessageBreak Typographic Style_, section 4.2.2.
8382     \MessageBreak \noexpand\subsubsection was used}
8383   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8384     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the
8385     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
8386 }
8387 \renewcommand\subparagraph{%
8388   \biditytetocError{\noexpand\subparagraph is undefined by this class.%
8389     \MessageBreak See Robert Bringhurst's _The Elements of
8390     \MessageBreak Typographic Style_, section 4.2.2.
8391     \MessageBreak \noexpand\subparagraph was used}
8392   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8393     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the
8394     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
8395 }
8396 % Formatting for main TOC (printed in front matter)
8397 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
8398 \ifthenelse{\boolean{@biditytetoc@toc}}{%
8399   \bidity@patch@AfterPackage{bidity}{%
8400     \titlecontents{part}% FIXME
8401     [0em] % distance from left margin
8402     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global for
8403     {\contentslabel{2em}} % before w/label (label = ``II'')
8404     {} % before w/o label
8405     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8406     [\end{fullwidth}] % after
8407     \titlecontents{chapter}%
8408     [0em] % distance from left margin
8409     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global for
8410     {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
8411     {\hspace*{0em}} % before w/o label
8412     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8413     [\end{fullwidth}] % after
8414     \titlecontents{section}% FIXME
8415     [0em] % distance from left margin
8416     {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global forma
8417     {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
8418     {\hspace*{2em}} % before w/o label
8419     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8420     [\end{fullwidth}] % after
8421     \titlecontents{subsection}% FIXME
8422     [0em] % distance from left margin
8423     {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global forma

```



```

8424     {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
8425     {\hspace*{4em}} % before w/o label
8426     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8427     [\end{fullwidth}] % after
8428     \titlecontents{paragraph}% FIXME
8429     [0em] % distance from left margin
8430     {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global
8431     {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
8432     {\hspace*{6em}} % before w/o label
8433     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8434     [\end{fullwidth}] % after
8435 }%
8436 }{}
8437 %%
8438 % Format lists of figures/tables
8439 \renewcommand\listoffigures{%
8440   \@ifundefined{chapter}%
8441     {\section*{\listfigurename}}%
8442     {\chapter*{\listfigurename}}%
8443 %   \begin{fullwidth}%
8444     \@starttoc{lof}%
8445 %   \end{fullwidth}%
8446 }
8447 \renewcommand\listoftables{%
8448   \@ifundefined{chapter}%
8449     {\section*{\listtablename}}%
8450     {\chapter*{\listtablename}}%
8451 %   \begin{fullwidth}%
8452     \@starttoc{lot}%
8453 %   \end{fullwidth}%
8454 }
8455 \newcommand{\@bidityfttoc@lof@line}[2]{%
8456   % #1 is the figure/table number and its caption text
8457   % #2 is the page number on which the figure/table appears
8458   \leftskip 0.0em
8459   \rightskip 0em
8460   \parfillskip 0em plus 1fil
8461   \parindent 0.0em
8462   \@afterindenttrue
8463   \interlinepenalty\@M
8464   \leavevmode
8465   \@tempdima 2.0em
8466   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
8467   \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
8468   {#1}\nobreak\qqquad\nobreak#2%
8469   \par%
8470 }
8471 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
8472 \let\l@table\l@figure

```

56 File bidityftgeneralstructure.sty

```

8473 \NeedsTeXFormat{LaTeX2e}
8474 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1

```



```

8475 bidi implementation of tufte general structure]
8476 \renewcommand\small{%
8477   \@setfontsize\small\@ixpt{12}%
8478   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
8479   \abovedisplayshortskip \z@ \@plus2\p@
8480   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
8481   \def\@listi{\leftmargin\leftmargini
8482             \topsep 4\p@ \@plus2\p@ \@minus2\p@
8483             \parsep 2\p@ \@plus\p@ \@minus\p@
8484             \itemsep \parsep}%
8485   \belowdisplayskip \abovedisplayskip
8486 }
8487 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
8488 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
8489 \renewcommand\large{\@setfontsize\large\@xipt{15}}
8490 \renewcommand\Large{\@setfontsize\Large\@xipt{16}}
8491 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
8492 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
8493 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
8494 \setlength\leftmargini {1pc}
8495 \setlength\leftmarginii {1pc}
8496 \setlength\leftmarginiii {1pc}
8497 \setlength\leftmarginiv {1pc}
8498 \setlength\leftmarginv {1pc}
8499 \setlength\leftmarginvi {1pc}
8500 \setlength\labelsep {.5pc}
8501 \setlength\labelwidth {\leftmargini}
8502 \addtolength\labelwidth{-\labelsep}
8503 \setlength{\parindent}{1.0pc}%
8504 \setlength{\parskip}{0pt}%
8505 \RequirePackage{ragged2e}
8506 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
8507 % Paragraph indentation and separation for normal text
8508 \newcommand{\@bidiuftgeneralstructure@reset@par}{%
8509   \setlength{\RaggedRightParindent}{1.0pc}%
8510   \setlength{\JustifyingParindent}{1.0pc}%
8511   \setlength{\parindent}{1pc}%
8512   \setlength{\parskip}{0pt}%
8513 }
8514 \@bidiuftgeneralstructure@reset@par
8515 % Require paralist package for tighter lists
8516 \RequirePackage{paralist}
8517 % Add rightmargin to compactenum
8518 \def\@compactenum{%
8519   \expandafter\list\csname label\@enumctr\endcsname{%
8520     \usecounter{\@enumctr}%
8521     \rightmargin=2em% added this
8522     \parsep\plparsep
8523     \itemsep\plitemsep
8524     \topsep\pltopsep
8525     \partopsep\plpartopsep
8526     \def\makelabel##1{\hss\llap{##1}}}}
8527 %%
8528 % An environment for paragraph-style section

```



```

8529 \providecommand\newthought[1]{%
8530   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
8531   \noindent\textbf{#1}%
8532 }
8533 %%
8534 % Redefine the display environments (quote, quotation, etc.)
8535 \renewenvironment{verse}
8536   {\let\\ \@centercr
8537    \list{}{\itemsep      \z@
8538             \itemindent  -1pc%
8539             \listparindent\itemindent
8540             \rightmargin \leftmargin
8541             \advance\leftmargin 1pc}%
8542    \small%
8543    \item\relax}
8544 {\endlist}
8545 \renewenvironment{quotation}
8546   {\list{}{\listparindent 1pc%
8547             \itemindent     \listparindent
8548             \rightmargin    \leftmargin
8549             \parsep         \z@ \@plus\p@}%
8550    \small%
8551    \item\relax\noindent\ignorespaces}
8552 {\endlist}
8553 \renewenvironment{quote}
8554   {\list{}{\rightmargin\leftmargin}%
8555    \small%
8556    \item\relax}
8557 {\endlist}
8558 % Italicize description run-in headings (instead of the default bold)
8559 \renewcommand*{\descriptionlabel[1]}{\hspace\labelsep\normalfont\em #1}
8560 %%
8561 % Redefine \bibsection to not mark the running heads.
8562 % (Code modified from natbib.sty.)
8563 \@ifundefined{chapter}%
8564   {\renewcommand\bibsection{\section*{\refname}}}
8565   {\@ifundefined{NAT@sectionbib}%
8566     {\renewcommand\bibsection{\chapter{\bibname}}}
8567     {\renewcommand\bibsection{\section*{\bibname}}}}
8568 \RequirePackage{multicol}
8569 \renewenvironment{theindex}{%
8570 \@ifundefined{chapter}%
8571   {\section*{\indexname}}%
8572   {\chapter{\indexname}}%
8573   \begin{fullwidth}%
8574   \small%
8575   \parskip0pt%
8576   \parindent0pt%
8577   \let\item\@idxitem%
8578   \begin{multicols}{3}%
8579 }{%
8580   \end{multicols}%
8581   \end{fullwidth}%
8582 }

```



```

8583 \AtBeginDocument{%
8584 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
8585 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
8586 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
8587 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
8588 \newcommand\lettergroup{[1]}% swallow the letter heading in the index

```

57 File `bidituftehyperref.sty`

```

8589 \NeedsTeXFormat{LaTeX2e}
8590 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
8591 bidi implementation of tufte hyperref]
8592 %%
8593 % Color
8594 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
8595 \newboolean{@bidituftehyperref@loadhyper}
8596 \setboolean{@bidituftehyperref@loadhyper}{true}
8597 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
8598 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
8599 \ProcessOptions
8600 %% Loads the hyperref package and sets some default options.
8601 \newcommand{\bidituftehyperrefLoadHyperref}{%
8602 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
8603 \hypersetup{%
8604     bookmarksdepth = section,
8605     citecolor = DarkGreen,
8606     linkcolor = DarkBlue,
8607 %    pagecolor = DarkBlue,
8608     urlcolor = DarkGreen,
8609 }%
8610 }
8611 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
8612 \bidituftehyperrefLoadHyperref%
8613 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
8614 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
8615 }

```

58 File `bidituftetitle.sty`

```

8616 \NeedsTeXFormat{LaTeX2e}
8617 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
8618 bidi implementation of tufte title]
8619 \RequirePackage{biditools}
8620 %%
8621 % 'titlepage' option -- creates a full title page with \maketitle
8622 \newboolean{@bidituftetitle@titlepage}
8623 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
8624 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
8625 % Default 'book' and 'handout' options
8626 \@ifclassloaded{book}{%
8627 \ExecuteOptions{titlepage}}{%
8628 \@ifclassloaded{article}{%
8629 \ExecuteOptions{notitlepage}}%
8630 {}

```



```

8631 \ProcessOptions
8632 %%
8633 % Modified \title, \author, and \date commands. These store the
8634 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
8635 \newcommand{\plaintitle}{}% plain-text-only title
8636 \newcommand{\plainauthor}{}% plain-text-only author
8637 \newcommand{\plainpublisher}{}% plain-text-only publisher
8638 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
8639 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
8640 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
8641 \newcommand{\@publisher}{}% full publisher with \thanks{}
8642 \newcommand{\thedata}{\today}
8643 \bidi@patch@AfterPackage{bidi}{%
8644 \renewcommand{\thanks}[1]{\footnote{#1}}
8645 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
8646 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
8647 }
8648 \renewcommand{\title}[2][]{%
8649 \gdef\@title{#2}%
8650 \begingroup%
8651 % TODO store contents of \thanks command
8652 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8653 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8654 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8655 \protected@xdef\thanklesstitle{#2}%
8656 \endgroup%
8657 \ifthenelse{\isempty{#1}}{%
8658 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
8659 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
8660 \@ifundefined{hypersetup}%
8661 {}% hyperref is not loaded; do nothing
8662 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
8663 }
8664 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
8665 \renewcommand{\author}[2][]{%
8666 \ifthenelse{\isempty{#2}}{}{\gdef\@author{#2}}%
8667 \begingroup%
8668 % TODO store contents of \thanks command
8669 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8670 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8671 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8672 \protected@xdef\thanklessauthor{#2}%
8673 \endgroup%
8674 \ifthenelse{\isempty{#1}}{%
8675 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
8676 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
8677 \@ifundefined{hypersetup}%
8678 {}% hyperref is not loaded; do nothing
8679 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
8680 }
8681 \renewcommand{\date}[1]{%
8682 \gdef\@date{#1}%
8683 \begingroup%
8684 % TODO store contents of \thanks command

```



```

8685 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8686 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8687 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8688 \protected@xdef\thedata{#1}%
8689 \endgroup%
8690 }
8691 %%
8692 % Provides a \publisher command to set the publisher
8693 \newcommand{\publisher}[2][{}]{%
8694 \gdef\@publisher{#2}%
8695 \begingroup%
8696 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8697 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8698 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8699 \protected@xdef\thanklesspublisher{#2}%
8700 \endgroup%
8701 \ifthenelse{\isempty{#1}}{
8702 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
8703 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
8704 }
8705 %%
8706 % Produces a full title page
8707 \newcommand{\maketitlepage}[0]{%
8708 \cleardoublepage%
8709 {%
8710 \bfseries%
8711 \begin{fullwidth}%
8712 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
8713 \vspace{11.5pc}%
8714 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
8715 \vfill%
8716 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
8717 \end{fullwidth}%
8718 }
8719 \thispagestyle{empty}%
8720 \clearpage%
8721 }
8722 %%
8723 % Title block
8724 \bidi@AfterEndPreamble{%
8725 \renewcommand{\maketitle}{%
8726 \newpage%
8727 \global\@topnum\z@% prevent floats from being placed at the top of the page
8728 \begingroup%
8729 \setlength{\parindent}{0pt}%
8730 \setlength{\parskip}{4pt}%
8731 \let\@title\@empty%
8732 \let\@author\@empty%
8733 \let\@date\@empty%
8734 \gdef\@title{\LARGE\itshape\@title\par}%
8735 \gdef\@author{\Large\itshape\@author\par}%
8736 \gdef\@date{\Large\itshape\@date\par}%
8737 \@title%
8738 \@author%

```



```

8739 \@@date%
8740 \endgroup%
8741 \thispagestyle{plain}% suppress the running head
8742 }%
8743 }
8744 %%
8745 % Title page (if the `titlepage' option was passed to the bidentufte-handout
8746 % class.)
8747 \bidentufte@AfterEndPreamble{%
8748 \ifthenelse{\boolean{@bidentufte@titlepage}}{
8749 {\renewcommand{\maketitle}{\maketitlepage}}
8750 {}
8751 }
8752 %%
8753 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
8754 % without headers and footers
8755 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
8756 \hbox{}
8757 %\vspace*{\fill}
8758 %\begin{center}
8759 % This page intentionally contains only this sentence.
8760 %\end{center}
8761 %\vspace{\fill}
8762 \thispagestyle{empty}
8763 \newpage
8764 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

59 File bidentufte-handout.cls

```

8765 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8766 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
8767 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
8768 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
8769 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
8770 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
8771 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
8772 \ProcessOptions\relax
8773 \LoadClass{article}
8774 \RequirePackage{bidentuftefloat}
8775 \RequirePackage{bidentuftesidenote}
8776 \RequirePackage{bidentuftetoc}
8777 \RequirePackage{bidentuftegeneralstructure}
8778 \RequirePackage{bidentuftehyperref}
8779 \RequirePackage{bidentuftetitle}
8780 \renewenvironment{abstract}
8781 {\begin{quotation}}
8782 {\end{quotation}}
8783 \AtBeginDocument{%
8784 \IfFileExists{bidentufte-handout.cfg}
8785 {\input{bidentufte-handout.cfg}
8786 \ClassInfo{bidentufte-handout}{Loading bidentufte-handout configuration file \@gobble}}
8787 {}%
8788 }

```



60 File bidentufte-book.cls

```

8789 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8790 \ProvidesClass{bidentufte-book}[2011/06/18 v0.1 bidentufte-book class]
8791 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
8792 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
8793 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
8794 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
8795 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
8796 \ProcessOptions\relax
8797 \LoadClass{book}
8798 \RequirePackage{bidentuftefloat}
8799 \RequirePackage{bidentuftesidenote}
8800 \RequirePackage{bidentuftetoc}
8801 \RequirePackage{bidentuftegeneralstructure}
8802 \RequirePackage{bidentuftehyperref}
8803 \RequirePackage{bidentuftetitle}
8804 %%
8805 % Set up any book-specific stuff now
8806 %%
8807 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
8808 % to the opening page of Chapter 1. The running heads, when they appear,
8809 % contain only the (arabic) page number in the outside corner.
8810 %\newif\if@mainmatter \@mainmattertrue
8811 \renewcommand\frontmatter{%
8812   \cleardoublepage%
8813   \@mainmatterfalse%
8814   \pagenumbering{arabic}%
8815   %\pagestyle{plain}%
8816   \fancyhf{}%
8817   \ifthenelse{\boolean{@bidentuftefloat@twoside}}%
8818     {\fancyhead[LE,RO]{\thepage}}%
8819     {\fancyhead[RE,RO]{\thepage}}%
8820 }
8821 %%
8822 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
8823 % numbering---it continues where it left off in the front matter.
8824 \renewcommand\mainmatter{%
8825   \cleardoublepage%
8826   \@mainmattertrue%
8827   \fancyhf{}%
8828   \ifthenelse{\boolean{@bidentuftefloat@twoside}}%
8829     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
8830     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
8831     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
8832     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book titl
8833 }
8834 %%
8835 % The back matter contains appendices, indices, glossaries, endnotes,
8836 % bibliographies, list of contributors, illustration credits, etc.
8837 \renewcommand\backmatter{%
8838   \if@openright%
8839     \cleardoublepage%
8840   \else%

```



```

8841 \clearpage%
8842 \fi%
8843 \@mainmatterfalse%
8844 }
8845 %%
8846 % Only show the chapter titles in the table of contents
8847 \setcounter{tocdepth}{0}
8848 \AtBeginDocument{%
8849 \IfFileExists{biditufte-book.cfg}
8850 {\input{biditufte-book.cfg}
8851 \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
8852 {}%
8853 }

```

61 File bidipoem.sty

```

8854 \NeedsTeXFormat{LaTeX2e}
8855 \ProvidesPackage{bidipoem}%
8856 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
8857
8858 % Usage:
8859 %
8860 % \Setversedim #1#2 % define the layout (within a group):
8861 % #1 = length of both half-verses
8862 % #2 = separation distance = length of a connection, if present
8863 % Variant:
8864 % \Setversedim #1[#2]#3 % for half-verses of unequal length
8865 % #1 = length of first (=right) half-verse
8866 % #2 = length of second (=left) half-verse
8867 % #3 = separation distance = length of a connection, if present
8868 %
8869 % \traditionalhalfverses #1#2 % typeset two separated half-verses
8870 % #1 = text of first (=right) half-verse
8871 % #2 = text of second (=left) half-verse
8872 % Variant:
8873 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
8874 % #1 = text of first (=right) half-verse
8875 % #2 = text of connection
8876 % #3 = text of second (=left) half-verse
8877 %
8878 % Alternative (if preferred):
8879 %
8880 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
8881
8882
8883 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
8884
8885 % define the layout, verses will be centered
8886
8887 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
8888 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
8889
8890 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
8891 \bidipoem@hvind \textwidth

```



```

8892 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
8893 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
8894 \bidipoem@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipo
8895
8896 \def \bidipoem@set@verseI [#1]{% optional parameter
8897 \bidipoem@hvlen #1\relax \bidipoem@set@@verse }
8898
8899 \newcommand*{\bidipoem@set@@verse}[1]{% separation
8900 \advance \bidipoem@hvind -\bidipoem@hvlen \bidipoem@hvsep #1\relax
8901 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
8902
8903 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
8904 \ifdim Opt > \bidipoem@hvind %
8905 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
8906 \else
8907 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
8908 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
8909 \bidipoem@spreadbox \bidipoem@hvlen {#3}% second block
8910 \par }
8911
8912 % macro for two half verses
8913 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
8914 \ifx [#2\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
8915 \else\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
8916 \bidipoem@half@verses@next}
8917
8918 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
8919 \traditionalconnverses {#1}{#2}{#3}}
8920
8921
8922 {\catcode\^^M=\active % these lines must end with %
8923 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
8924 \global\let^^M\traditionalpoem@par % this is in case ^^M appears in a \write
8925 {\catcode\^^M=\active % these lines must end with %
8926 \gdef\modernpoem@obeylines{\catcode\^^M=\active \let^^M\modernpoem@par}%
8927 \global\let^^M\modernpoem@par % this is in case ^^M appears in a \write
8928 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
8929 \def\poemmarginsskip{1em plus 1fil minus 1em}
8930 \def\poemextrabaselineskip{0\baselineskip}
8931 \def\poemskip{\medskip}
8932 \newcommand{\bidipoem@openbox}{\leavevmode
8933 \hbox to.77778em{%
8934 \hfil\vrule
8935 \vbox to.675em{\hrule width.6em\vfil\hrule}%
8936 \vrule\hfil}}
8937 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
8938 \newdimen\versewidth
8939 \newtoks\bidipoem@p@ftn
8940 \def\poem@verse#1{%
8941 \ifdim\wd#1>\new@poem@width
8942 \xdef\new@poem@width{\the\wd#1}%
8943 \ifdim\new@poem@width>\poem@width
8944 \xdef\poem@width{\new@poem@width}%
8945 \global\let\poem@needrun\relax

```



```

8946 \fi
8947 \fi
8948 \hbox to\poem@width{\unhbox#1}%
8949 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
8950 }
8951 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmargin\skip\relax}
8952 \def\poem@lineend{\nobreak\hskip\poemmargin\skip\hskip\@flushglue\vadjust{}}
8953 \def\poem@lineversesep{%
8954 \nobreak
8955 \hskip\z@ plus 1filll%
8956 \penalty600%
8957 \hskip\poemcolsepskip
8958 \hskip\z@ plus -2filll%
8959 \vadjust{}}%
8960 \nobreak
8961 \hskip\z@ plus 1filll%
8962 }
8963 \def\poem@lineparsebegin{%
8964 \halign\bgroup
8965 \global\setbox\verse@i=\hbox{%
8966 \let\@footnotetext\bidipoem@p@ftntext%
8967 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8968 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8969 \let\@xfootnotenext\bidipoem@p@xftntext%
8970 \let\@xfootnote\bidipoem@p@xfootnote%
8971 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8972 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8973 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8974 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8975 \ignorespaces##\unskip}&&
8976 \global\setbox\verse@ii=\hbox{%
8977 \let\@footnotetext\bidipoem@p@ftntext%
8978 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8979 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8980 \let\@xfootnotenext\bidipoem@p@xftntext%
8981 \let\@xfootnote\bidipoem@p@xfootnote%
8982 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8983 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8984 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8985 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8986 \ignorespaces##\unskip}
8987 \cr
8988 }
8989 \def\poem@lineparseend{%
8990 \crcr\egroup
8991 \vskip-\baselineskip
8992 }
8993 \def\traditionalpoem@cr{%
8994 \cr\poem@line
8995 }
8996 \newbox\verse@i
8997 \newbox\verse@ii
8998 \newif\ifpoem@started
8999

```



```

9000 \def\poem@line{%
9001 \poem@lineparseend
9002 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
9003 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
9004 \ifpoem@started
9005   \ifdim\wd\verse@ii>\z@\else
9006     \nopagebreak[3]
9007   \fi
9008   \leavevmode
9009   \poem@linebegin
9010   \poem@verse\verse@i
9011   \ifdim\wd\verse@ii>\z@
9012     \poem@lineversesep
9013     \poem@verse\verse@ii
9014   \fi
9015   \poem@lineend
9016 %   \nopagebreak
9017   \par
9018   \vskip\poemextrabaselineskip
9019 \fi
9020 \poem@lineparsebegin
9021 }
9022 \def\@traditionalpoem{%
9023 \stepcounter{poem@no}
9024   \ifnum\max@poem@no<\number\c@poem@no%
9025 \xdef\poem@width{\z@}%
9026   \else
9027 \xdef\poem@width{\poem@prop{poem@width}}%
9028 \fi
9029 \xdef\new@poem@width{\z@}%
9030 \global\versewidth=\poem@width
9031 \poemskip\par
9032 \beginngroup
9033 \tabskip=\z@
9034 \parskip=\z@
9035 \parindent=\z@
9036 \parfillskip=\z@
9037 \rightskip=\z@
9038 \leftskip=\z@
9039 \widowpenalty=10000% No break between verses of the same line.
9040 \clubpenalty=10000% Same as above. Not really needed.
9041 \def\newblock{\hfil\poemblocksep\hfil\null}%
9042 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
9043 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
9044 \global\poem@startedfalse
9045 \csname poem@obeylines\endcsname
9046 \let\poem@obeylines\relax
9047 \poem@lineparsebegin
9048 }
9049 \def\@endtraditionalpoem{%
9050 \cr
9051 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
9052 \noalign{%
9053 \skip0=\poemextrabaselineskip

```



```

9054 \vskip-\skip0
9055 \vskip-\baselineskip
9056 }%
9057 \fi\fi
9058 \poem@lineparseend
9059 \endgroup
9060 \par
9061 \vskip\baselineskip
9062 \poemskip
9063 \ifdim\new@poem@width<\poem@width
9064 \global\let\poem@needrun\relax
9065 \fi
9066 \poem@write@aux{poem@width@romannumeral@c@poem@no}{\new@poem@width}%
9067 \ifx\AtEndDocument\undefined\poem@finish\fi
9068 \@endparenv
9069 }
9070
9071
9072 \long\def\bidipoem@p@ftntext#1{%
9073   \edef\@temp{x\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
9074   \global\bidipoem@p@ftn\expandafter{\@temp{x#1}}}%
9075 \long\def\bidipoem@p@LTRftntext#1{%
9076   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
9077   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
9078 \long\def\bidipoem@p@RTLftntext#1{%
9079   \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
9080   \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
9081
9082 \long\def\bidipoem@p@xftntext[#1]#2{%
9083   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
9084
9085 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
9086   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
9087
9088 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
9089   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
9090
9091 \def\bidipoem@p@xfootnote[#1]{%
9092   \begingroup
9093     \csname c@\@mpfn\endcsname #1\relax
9094     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9095   \endgroup
9096   \@footnotemark\bidipoem@p@xftntext[#1]}
9097
9098 \def\bidipoem@p@xLTRfootnote[#1]{%
9099   \begingroup
9100     \csname c@\@mpfn\endcsname #1\relax
9101     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9102   \endgroup
9103   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
9104
9105 \def\bidipoem@p@xRTLfootnote[#1]{%
9106   \begingroup
9107     \csname c@\@mpfn\endcsname #1\relax

```



```

9108     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9109     \endgroup
9110     \@footnotemark\bidipoem@p@xRTLftntext[#1]}
9111
9112
9113
9114 \newenvironment{traditionalpoem}{\@traditionalpoem}{\endtraditionalpoem}
9115 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obe
9116 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
9117 \def\poem@finish{%
9118 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
9119 \ifx\poem@needrun\relax
9120 \PackageWarning{bidipoem}{Unjustified poem.  Rerun XeLaTeX to get poem right}%
9121 \global\let\poem@needrun\undefined
9122 \fi
9123 }
9124 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
9125 \newcounter{poem@no}\setcounter{poem@no}{\z@}
9126 \ifx\max@poem@no\undefined
9127     \def\max@poem@no{0}%
9128 \fi
9129 \newcommand{\poem@prop}[1]{\@nameuse{#1@romannumeral\c@poem@no}}
9130 \newcommand{\poem@write@aux}[2]{%
9131     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
9132     \@x
9133 }
9134 \def\@modernpoem{%
9135 \par
9136 \begingroup
9137 \parskip=\z@
9138 \parindent=\z@
9139 \def\[{ \@settab\@tabplus\ignorespaces}%
9140 \def\]\{ \@tabminus\ignorespaces}%
9141 \def\newblock{\poemblocksep}%
9142 \let\newpoem@tabcr\@tabcr
9143 \def\modernpoem@par{% Redefine \par for possible \obeylines
9144     \ifpoem@started\else
9145         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9146             \@stopfield
9147             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9148             \@contfield
9149         \fi
9150     \fi
9151     \ifpoem@started\newpoem@tabcr\fi}%
9152 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
9153 \global\poem@startedfalse
9154 \csname poem@obeylines\endcsname
9155 \let\poem@obeylines\relax
9156 \begin{tabbing}%
9157 }
9158 \def\@endmodernpoem{%
9159 \global\poem@startedfalse
9160 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9161     \@stopfield

```



```

9162 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9163 \@contfield
9164 \fi
9165 \ifpoem@started\else\let\@stopline\@stopfield\fi
9166 \end{tabbing}%
9167 \endgroup
9168 \par
9169 \if@nparlist \else
9170 \ifdim\lastskip >\z@
9171 \@tempskipa\lastskip \vskip -\lastskip
9172 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
9173 \vskip\@tempskipa
9174 \fi
9175 \@endparenv
9176 \fi
9177 }
9178 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
9179 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mod
9180 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
9181 \gdef\@startfield{%
9182 \global\setbox\@curfield\hbox\bgroup%
9183 \let\@footnotetext\bidipoem@p@fnttext%
9184 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
9185 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
9186 \let\@xfootnotenext\bidipoem@p@xftntext%
9187 \let\@xfootnote\bidipoem@p@xfootnote%
9188 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
9189 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9190 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
9191 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9192 \color@begingroup}
9193 \gdef\@stopfield{%
9194 \color@endgroup\egroup\global\bidipoem@p@fnt\expandafter{\expandafter}\the\bidipoem@p@fnt
9195 \gdef\@contfield{%
9196 \global\setbox\@curfield\hbox\bgroup%
9197 \let\@footnotetext\bidipoem@p@fnttext%
9198 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
9199 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
9200 \let\@xfootnotenext\bidipoem@p@xftntext%
9201 \let\@xfootnote\bidipoem@p@xfootnote%
9202 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
9203 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9204 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
9205 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9206 \color@begingroup\unhbox\@curfield}

```

62 File boek3-xetex-bidi.def

```

9207 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for Xe
9208 \renewenvironment{theindex}{%
9209 \if@twocolumn
9210 \@restonecolfalse
9211 \else
9212 \@restonecoltrue

```



```

9213 \fi
9214 \columnseprule \z@
9215 \columnsep 35\p@
9216 \twocolumn[\@makeschapterhead{\indexname}]{%
9217 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
9218 \thispagestyle{plain}\parindent\z@
9219 \parskip\z@ \@plus .3\p@\relax
9220 \let\item\@idxitem
9221 }{%
9222 \if@restonecol\onecolumn\else\clearpage\fi}
9223 \renewcommand*{\head@style}{%
9224 \interlinepenalty \@M
9225 \hyphenpenalty=\@M \exhyphenpenalty=\@M
9226 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9227 \renewcommand*{\@regtocline[3]}{%
9228 \ifnum #1>\c@tocdepth
9229 \else
9230 \vskip\z@ \@plus .2\p@
9231 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
9232 \if@RTL\rightskip\else\leftskip\fi\unitindent
9233 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
9234 \parfillskip\z@
9235 \@tempdima\unitindent
9236 \parindent\z@
9237 \leavevmode
9238 \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9239 \hskip 1em \nobreak{\slshape #3}\par
9240 }%
9241 \fi}
9242 \if@oldtoc
9243 \renewcommand*\l@part[2]{%
9244 \ifnum \c@tocdepth >-2\relax
9245 \addpenalty{-\@highpenalty}%
9246 \addvspace{2.25em \@plus\p@}%
9247 \begingroup
9248 \setlength\@tempdima{3em}%
9249 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9250 \parfillskip -\@pnumwidth
9251 {\leavevmode
9252 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9253 \nobreak
9254 \global\@nobreaktrue
9255 \everypar{\global\@nobreakfalse\everypar{}}}%
9256 \endgroup
9257 \fi}
9258 \else
9259 \renewcommand*\l@part{%
9260 \ifnum \c@tocdepth >-2\relax
9261 \addpenalty{-\@highpenalty}%
9262 \addvspace{2.25em \@plus \p@}%
9263 \@regtocline{0}%
9264 \fi}
9265 \fi
9266 \if@oldtoc

```



```

9267 \renewcommand*\l@chapter[2]{%
9268     \addpenalty{-\@highpenalty}%
9269     \vskip 1.0em \@plus\p@
9270     \setlength\@tempdima{1.5em}%
9271     \begingroup
9272     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9273     \parfillskip -\@pnumwidth
9274     \leavevmode \bfseries
9275     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9276     \hskip -\if@RTL\rightskip\else\leftskip\fi
9277     #1\nobreak\hfil \nobreak\hbext@\@pnumwidth{\hss #2}\par
9278     \penalty\@highpenalty
9279     \endgroup}
9280 \else
9281     \renewcommand*\l@chapter{\@regtocline{0}}
9282 \fi
9283 \renewenvironment{abstract}{%
9284     \titlepage
9285     \null\vfil
9286     \section*{\SectFont \abstractname}
9287     \noindent\ignorespaces}
9288     {\par\vfil\null\endtitlepage}
9289 \renewenvironment{thebibliography}[1]
9290     {\chapter*{\bibname}}%
9291     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9292     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9293     \bidi@thebibliography@font@hook%
9294     \list{\@biblabel{\@arabic\c@enumiv}}%
9295         {\settowidth\labelwidth{\@biblabel{#1}}%
9296         \leftmargin\labelwidth
9297         \advance\leftmargin\labelsep
9298         \@openbib@code
9299         \usecounter{enumiv}%
9300         \let\p@enumiv\@empty
9301         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9302     \sloppy\clubpenalty4000\widowpenalty4000%
9303     \sfcode\.\@m}
9304     {\def\@noitemerr
9305         {\@latex@warning{Empty `thebibliography' environment}}%
9306     \endlist}
9307 \renewcommand*\left@footnoterule{%
9308     \kern-3\p@
9309     \kern.5\baselineskip
9310     \hrule\@width\unitindent
9311     \kern.4\baselineskip
9312 }
9313 \renewcommand*\right@footnoterule{%
9314     \kern-3\p@
9315     \kern.5\baselineskip
9316     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9317     \kern.4\baselineskip}
9318 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9319 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9320 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}

```



```

9321 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9322 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9323 \renewcommand*\theequation{%
9324   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9325 \renewcommand*\thefigure{%
9326   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
9327 \renewcommand*\thetable{%
9328   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
9329 \renewcommand*\maketitle{%
9330   \begin{titlepage}%
9331     \let\footnotesize\small
9332     \let\right@footnoterule\relax
9333     \let\left@footnoterule\relax
9334     \let\textwidth\footnoterule\relax
9335     \let \footnote \thanks
9336     \long\def\@makefntext##1{\parindent\z@
9337       \def\labelitemi{\textendash}\@revlabeltrue
9338       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9339     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9340     \if@compatibility\setcounter{page}{0}\fi
9341     \null\vfil
9342     \vskip 60\p@
9343     \begin{center}%
9344       \TitleFont
9345       {\LARGE \def\\{\penalty -\@M}
9346         \if@allcaps
9347           \expandafter\uc@nothanks\@title\thanks\relax
9348         \else
9349           \@title
9350         \fi\par}%
9351       \vskip 3em%
9352       {\large
9353         \lineskip .75em \parindent\z@
9354         \begin{tabular}[t]{c}%
9355           \if@allcaps
9356             \expandafter\uc@authornothanks\@author\and\relax
9357           \else
9358             \@author
9359           \fi
9360         \end{tabular}\par}%
9361       \vskip 1.5em%
9362       {\large
9363         \if@allcaps
9364           \uppercase\expandafter{\@date}%
9365         \else
9366           \@date
9367         \fi\par}%
9368       \end{center}\par
9369     \@thanks
9370     \vfil\null
9371   \end{titlepage}%
9372   \setcounter{footnote}{0}%
9373   \global\let\thanks\relax
9374   \global\let\maketitle\relax

```



```

9375 \global\let\@thanks\@empty
9376 \global\let\@author\@empty
9377 \global\let\@title\@empty
9378 \global\let\@date\@empty
9379 \global\let\title\relax
9380 \global\let\author\relax
9381 \global\let\date\relax
9382 \global\let\and\relax
9383 }

```

63 File boek-xetex-bidi.def

```

9384 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
9385 \renewenvironment{theindex}{%
9386   \if@twocolumn
9387     \@restonecolfalse
9388   \else
9389     \@restonecoltrue
9390   \fi
9391   \columnseprule \z@
9392   \columnsep 35\p@
9393   \twocolumn[\@makeschapterhead{\indexname}]{%
9394     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9395     \thispagestyle{plain}\parindent\z@
9396     \parskip\z@ \@plus .3\p@\relax
9397     \let\item\@idxitem
9398   }{%
9399     \if@restonecol\onecolumn\else\clearpage\fi}
9400 \renewcommand*{\head@style}{%
9401   \interlinepenalty \@M
9402   \hyphenpenalty=\@M \exhyphenpenalty=\@M
9403   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9404 \renewcommand*{\@regtocline}[3]{%
9405   \ifnum #1>\c@tocdepth
9406   \else
9407     \vskip\z@\@plus .2\p@
9408     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9409     \if@RTL\rightskip\else\leftskip\fi\unitindent
9410     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9411     \parfillskip\z@
9412     \@tempdima\unitindent
9413     \parindent\z@
9414     \leavevmode
9415     \hbox{\hspace -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9416     \hspace 1em \nobreak{\slshape #3}\par
9417     }%
9418   \fi}
9419 \if@oldtoc
9420 \renewcommand*\l@part[2]{%
9421   \ifnum \c@tocdepth >-2\relax
9422     \addpenalty{-\@highpenalty}%
9423     \addvspace{2.25em \@plus\p@}%
9424     \begingroup
9425     \setlength\@tempdima{3em}%

```



```

9426     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9427     \parfillskip -\@pnumwidth
9428     {\leavevmode
9429       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9430       \nobreak
9431       \global\@nobreaktrue
9432       \everypar{\global\@nobreakfalse\everypar{}}}%
9433   \endgroup
9434 \fi}
9435 \else
9436   \renewcommand*\l@part{%
9437     \ifnum \c@tocdepth >-2\relax
9438       \addpenalty{-\@highpenalty}%
9439       \addvspace{2.25em \@plus \p@}%
9440       \@regtocline{0}%
9441     \fi}
9442 \fi
9443 \if@oldtoc
9444 \renewcommand*\l@chapter[2]{%
9445   \addpenalty{-\@highpenalty}%
9446   \vskip 1.0em \@plus \p@
9447   \setlength\@tempdima{1.5em}%
9448   \begingroup
9449     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9450     \parfillskip -\@pnumwidth
9451     \leavevmode \bfseries
9452     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9453     \hskip -\if@RTL\rightskip\else\leftskip\fi
9454     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9455     \penalty\@highpenalty
9456   \endgroup}
9457 \else
9458   \renewcommand*\l@chapter{\@regtocline{0}}
9459 \fi
9460 \renewcommand*\left@footnoterule{%
9461   \kern-3\p@
9462   \kern.5\baselineskip
9463   \hrule\@width\unitindent
9464   \kern.4\baselineskip
9465 }
9466 \renewcommand*\right@footnoterule{%
9467   \kern-3\p@
9468   \kern.5\baselineskip
9469   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9470   \kern.4\baselineskip}
9471 \renewenvironment{abstract}{%
9472   \titlepage
9473   \null\vfil
9474   \section*{\SectFont \abstractname}
9475   \noindent\ignorespaces}
9476 {\par\vfil\null\endtitlepage}
9477 \renewenvironment{thebibliography}[1]
9478 {\chapter*{\bibname}%
9479   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%

```



```

9480 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9481 \bidi@thebibliography@font@hook%
9482 \list{\@biblabel{\@arabic\c@enumiv}}%
9483 {\settowidth\labelwidth{\@biblabel{#1}}%
9484 \leftmargin\labelwidth
9485 \advance\leftmargin\labelsep
9486 \@openbib@code
9487 \usecounter{enumiv}%
9488 \let\p@enumiv\@empty
9489 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9490 \sloppy\clubpenalty4000\widowpenalty4000%
9491 \sfcode`. \m}
9492 {\def\@noitemerr
9493 {\@latex@warning{Empty `thebibliography' environment}}%
9494 \endlist}
9495 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9496 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9497 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9498 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9499 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9500 \renewcommand*\theequation{%
9501 \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9502 \renewcommand*\thefigure{%
9503 \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@figure}
9504 \renewcommand*\thetable{%
9505 \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@table}
9506 \renewcommand*\maketitle{%
9507 \begin{titlepage}%
9508 \let\footnotesize\small
9509 \let\right@footnoterule\relax
9510 \let\left@footnoterule\relax
9511 \let\textwidth@footnoterule\relax
9512 \let \footnote \thanks
9513 \long\def\@makefnmark##1{\parindent\z@
9514 \def\labelitemi{\textendash}\@revlabeltrue
9515 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9516 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9517 \if@compatibility\setcounter{page}{0}\fi
9518 \null\vfil
9519 \vskip 60\p@
9520 \begin{center}%
9521 \TitleFont
9522 {\LARGE \def\{\{\penalty -\@M}
9523 \if@allcaps
9524 \expandafter\uc@nothanks\@title\thanks\relax
9525 \else
9526 \@title
9527 \fi\par}%
9528 \vskip 3em%
9529 {\large
9530 \lineskip .75em \parindent\z@
9531 \begin{tabular}[t]{c}%
9532 \if@allcaps
9533 \expandafter\uc@authornothanks\@author\and\relax

```



```

9534         \else
9535             \@author
9536         \fi
9537     \end{tabular}\par}%
9538     \vskip 1.5em%
9539     {\large
9540         \if@allcaps
9541             \uppercase\expandafter{\@date}%
9542         \else
9543             \@date
9544         \fi\par}%
9545     \end{center}\par
9546     \@thanks
9547     \vfil\null
9548 \end{titlepage}%
9549 \setcounter{footnote}{0}%
9550 \global\let\thanks\relax
9551 \global\let\maketitle\relax
9552 \global\let\@thanks\@empty
9553 \global\let\@author\@empty
9554 \global\let\@title\@empty
9555 \global\let\@date\@empty
9556 \global\let\title\relax
9557 \global\let\author\relax
9558 \global\let\date\relax
9559 \global\let\and\relax
9560 }

```

64 File `bookest-xetex-bidi.def`

```

9561 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class fo
9562 \def\@makechapterhead#1{%
9563     \vspace*{20\p@}
9564     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9565         \ifnum \c@secnumdepth >\m@ne
9566             \if@mainmatter
9567                 {\colorA\huge\scshape \@chapapp\space \thechapter}
9568                 \par\nobreak
9569                 \vskip 10\p@
9570             \fi
9571         \fi
9572         \interlinepenalty\@M
9573         {\colorB\hrule}
9574         \vskip 15\p@
9575         \if@RTL\begin{flushleft}\else\begin{flushright}\fi
9576             {\colorA\Huge \bfseries #1}\par\nobreak
9577         \if@RTL\end{flushleft}\else\end{flushright}\fi
9578         \vskip 5\p@
9579         {\colorB\hrule}
9580         \vskip 30\p@
9581     }}
9582 \def\@makeschapterhead#1{%
9583     \vspace*{20\p@}
9584     {\parindent \z@ \raggedright \normalfont

```



```

9585 {\colorB\hrule}
9586 \vskip 15\p@
9587 \begin{center}
9588   {\colorA\Huge \bfseries #1}\par\nobreak
9589 \end{center}
9590 \vskip 5\p@
9591 {\colorB\hrule}
9592 \vskip 30\p@
9593 }

```

65 File book-xetex-bidi.def

```

9594 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class]
9595 \renewenvironment{theindex}
9596   {\if@twocolumn
9597     \@restonecolfalse
9598   \else
9599     \@restonecoltrue
9600   \fi
9601   \columnseprule \z@
9602   \columnsep 35\p@
9603   \twocolumn[\@makeschapterhead{\indexname}]}%
9604   \@mkboth{\MakeUppercase\indexname}%
9605           {\MakeUppercase\indexname}%
9606   \thispagestyle{plain}\parindent\z@
9607   \parskip\z@ \@plus .3\p@\relax
9608   \let\item\@idxitem}
9609   {\if@restonecol\onecolumn\else\clearpage\fi}
9610 \@ifclassloaded{bookest}{\}{%
9611   \if@titlepage
9612     \renewcommand\maketitle{\begin{titlepage}%
9613       \let\footnotesize\small
9614       \let\right@footnoterule\relax
9615       \let\left@footnoterule\relax
9616       \let\textwidth@footnoterule\relax
9617       \let \footnote \thanks
9618       \let \LTRfootnote \LTRthanks
9619       \let \RTLfootnote \RTLthanks
9620       \null\vfil
9621       \vskip 60\p@
9622       \begin{center}%
9623         {\LARGE \@title \par}%
9624         \vskip 3em%
9625         {\large
9626           \lineskip .75em%
9627           \begin{tabular}[t]{c}%
9628             \@author
9629           \end{tabular}\par}%
9630         \vskip 1.5em%
9631         {\large \@date \par}%           % Set date in \large size.
9632       \end{center}\par
9633       \@thanks
9634       \vfil\null
9635     \end{titlepage}%

```



```

9636 \setcounter{footnote}{0}%
9637 \global\let\thanks\relax
9638 \global\let\LTRthanks\relax
9639 \global\let\RTLthanks\relax
9640 \global\let\maketitle\relax
9641 \global\let\@thanks\@empty
9642 \global\let\@author\@empty
9643 \global\let\@date\@empty
9644 \global\let\@title\@empty
9645 \global\let\title\relax
9646 \global\let\author\relax
9647 \global\let\date\relax
9648 \global\let\and\relax
9649 }
9650 \else
9651 \renewcommand\maketitle{\par
9652 \begingroup
9653 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9654 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9655 \long\def\@makefntext##1{\parindent 1em\noindent
9656 \hb@xt@1.8em{%
9657 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9658 \if@twocolumn
9659 \ifnum \col@number=\@ne
9660 \@maketitle
9661 \else
9662 \twocolumn[\@maketitle]%
9663 \fi
9664 \else
9665 \newpage
9666 \global\@topnum\z@ % Prevents figures from going at top of page.
9667 \@maketitle
9668 \fi
9669 \thispagestyle{plain}\@thanks
9670 \endgroup
9671 \setcounter{footnote}{0}%
9672 \global\let\thanks\relax
9673 \global\let\LTRthanks\relax
9674 \global\let\RTLthanks\relax
9675 \global\let\maketitle\relax
9676 \global\let\@maketitle\relax
9677 \global\let\@thanks\@empty
9678 \global\let\@author\@empty
9679 \global\let\@date\@empty
9680 \global\let\@title\@empty
9681 \global\let\title\relax
9682 \global\let\author\relax
9683 \global\let\date\relax
9684 \global\let\and\relax
9685 }
9686 \def\@maketitle{%
9687 \newpage
9688 \null
9689 \vskip 2em%

```



```

9690 \begin{center}%
9691 \let \footnote \thanks
9692 \let \LTRfootnote \LTRthanks
9693 \let \RTLfootnote \RTLthanks
9694 {\LARGE \@title \par}%
9695 \vskip 1.5em%
9696 {\large
9697 \lineskip .5em%
9698 \begin{tabular}[t]{c}%
9699 \@author
9700 \end{tabular}\par}%
9701 \vskip 1em%
9702 {\large \@date}%
9703 \end{center}%
9704 \par
9705 \vskip 1.5em}
9706 \fi}
9707 \renewcommand*\l@part[2]{%
9708 \ifnum \c@tocdepth >-2\relax
9709 \addpenalty{-\@highpenalty}%
9710 \addvspace{2.25em \@plus\p@}%
9711 \setlength\@tempdima{3em}%
9712 \begingroup
9713 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9714 \parfillskip -\@pnumwidth
9715 {\leavevmode
9716 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9717 \nobreak
9718 \global\@nobreaktrue
9719 \everypar{\global\@nobreakfalse\everypar{}}%
9720 \endgroup
9721 \fi}
9722 \renewcommand*\l@chapter[2]{%
9723 \ifnum \c@tocdepth >\m@ne
9724 \addpenalty{-\@highpenalty}%
9725 \vskip 1.0em \@plus\p@
9726 \setlength\@tempdima{1.5em}%
9727 \begingroup
9728 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9729 \parfillskip -\@pnumwidth
9730 \leavevmode \bfseries
9731 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9732 \hskip -\if@RTL\rightskip\else\leftskip\fi
9733 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9734 \penalty\@highpenalty
9735 \endgroup
9736 \fi}
9737 \renewcommand\left@footnoterule{%
9738 \kern-3\p@
9739 \hrule\@width.4\columnwidth
9740 \kern2.6\p@}
9741 \renewcommand\right@footnoterule{%
9742 \kern-3\p@
9743 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }}

```



```

9744 \kern2.6\p@}
9745 \renewcommand\theequation
9746 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9747 \renewcommand \thefigure
9748 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9749 \renewcommand \thetable
9750 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9751 \renewcommand \thechapter {\@arabic\c@chapter}
9752 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9753 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9754 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
9755 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
9756 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
9757 \def\@makechapterhead#1{%
9758 \vspace*{50\p@}%
9759 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9760 \ifnum \c@secnumdepth >\m@ne
9761 \if@mainmatter
9762 \huge\bfseries \@chapapp\space \thechapter
9763 \par\nobreak
9764 \vskip 20\p@
9765 \fi
9766 \fi
9767 \interlinepenalty\@M
9768 \Huge \bfseries #1\par\nobreak
9769 \vskip 40\p@
9770 }}
9771 \def\@makeschapterhead#1{%
9772 \vspace*{50\p@}%
9773 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9774 \normalfont
9775 \interlinepenalty\@M
9776 \Huge \bfseries #1\par\nobreak
9777 \vskip 40\p@
9778 }}
9779 \renewcommand\backmatter{%
9780 \if@openright
9781 \cleardoublepage
9782 \else
9783 \clearpage
9784 \fi
9785 \@mainmatterfalse}
9786 \renewenvironment{thebibliography}[1]
9787 {\chapter*{\bibname}%
9788 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9789 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9790 \bidi@thebibliography@font@hook%
9791 \list{\@biblabel{\@arabic\c@enumiv}}%
9792 {\settowidth\labelwidth{\@biblabel{#1}}%
9793 \leftmargin\labelwidth
9794 \advance\leftmargin\labelsep
9795 \@openbib@code
9796 \usecounter{enumiv}%
9797 \let\p@enumiv\@empty

```



```

9798         \renewcommand\theenumiv{\@arabic\c@enumiv}}}%
9799     \sloppy
9800     \clubpenalty4000
9801     \@clubpenalty \clubpenalty
9802     \widowpenalty4000%
9803     \sfcode`. \m}
9804     {\def\@noitemerr
9805       {\@latex@warning{Empty `thebibliography' environment}}}%
9806     \endlist}

```

66 File breqn-xetex-bidi.def

```

9807 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for
9808 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
9809   \everydisplay\expandafter{\the\everydisplay \display@setup}%
9810   \if@noskipsec \leavevmode \fi
9811   \if@inlabel \leavevmode \global\@inlabelfalse \fi
9812   \if@eq@group\else\eq@prelim\fi
9813   \setkeys{breqn}{#1}%
9814   \the\eqstyle
9815   \eq@setnumber
9816   \begingroup
9817   \eq@setup@a
9818   \eq@startup
9819 }
9820 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
9821   \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
9822   \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
9823   \global\let\GRP@label\@empty
9824   \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
9825   \global\grp@linewidth\z@\global\grp@wdNum\z@
9826   \global\let\grp@eqs@numbered\@False
9827   \global\let\grp@aligned\@True
9828   \global\let\grp@shiftnumber\@False
9829   \eq@prelim
9830   \setkeys{breqn}{#1}%
9831   \if\grp@hasNumber \grp@setnumber \fi
9832 }
9833 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
9834   \let\display@setup\dseries@display@setup
9835   % Question: should this be the default for dseries???
9836   \global\eq@wdCond\z@
9837   \@dmath[layout={M},#1]%
9838   \mathsurround\z@\@math \penalty\@Mi
9839   \let\endmath\ends@math
9840   \def\premath{%
9841     \ifdim\lastskip<.3em \unskip
9842     \else\ifnum\lastpenalty<\@M \dquad\fi\fi
9843 }%
9844   \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
9845   \ignorespaces
9846 }
9847 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
9848 \renewenvironment{dsuspend}{%

```



```

9849 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
9850 \parshape 1 \displayindent \displaywidth\relax
9851 \hsize=\columnwidth \noindent\ignorespaces
9852 }{%
9853 \par\egroup
9854 \global\setbox\GRP@box\vbox{%
9855 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
9856 \unvbox\GRP@box
9857 }%
9858 \global\GRP@queue\@xp{\the\GRP@queue
9859 \@elt{\let\eq@isIntertext\@True}%
9860 }%
9861 }

```

67 File cals-xetex-bidi.def

```

9862 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for Xe
9863 \renewcommand\cals@setup@alignment[1]{%
9864 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
9865 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
9866 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
9867 }
9868 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
9869 \renewenvironment{calstable}[1][\cals@table@alignment]{%
9870 \if@RTLtab\cals@activate@rtl\fi
9871 \let\cals@thead@tokens=\relax
9872 \let\cals@tfoot@tokens=\relax
9873 \let\cals@tbody@tokens=\relax
9874 \cals@tfoot@height=0pt \relax
9875 \let\cals@last@context=n%
9876 \let\cals@current@context=b%
9877 \parindent=0pt \relax%
9878 \cals@setup@alignment{#1}%
9879 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
9880 %% Alignment inside is independent on center/flushright outside
9881 \parfillskip=0pt plus1fil\relax
9882 \let\cals@borderL=\relax
9883 \let\cals@borderR=\relax
9884 \let\cals@borderT=\relax
9885 \let\cals@borderB=\relax
9886 \setbox\cals@backup@row=\box\voidb@x\relax
9887 \cals@AtBeginTable
9888 }{% End of the table
9889 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
9890 \renewcommand\alignL{%
9891 \if@RTLtab
9892 \cals@vfillAdd\cals@paddingL
9893 \else
9894 \cals@vfillDrop\cals@paddingL
9895 \fi
9896 \cals@vfillDrop\cals@paddingR}
9897 \renewcommand\alignR{%
9898 \if@RTLtab
9899 \cals@vfillDrop\cals@paddingL

```



```

9900 \else
9901   \cals@vfillAdd\cals@paddingL
9902 \fi
9903 \cals@vfillDrop\cals@paddingR}

```

68 File caption-xetex-bidi.def

```

9904 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package
9905 \let\@makecaption\caption@makecaption

```

69 File caption3-xetex-bidi.def

```

9906 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package
9907 \renewcommand*\caption@par{%
9908   \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

70 File colortbl-xetex-bidi.def

```

9909 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package
9910 \def\CT@setup{%
9911   \@tempdimb\col@sep
9912   \@tempdimc\col@sep
9913   \def\CT@color{%
9914     \global\let\CT@do@color\CT@@do@color
9915     \bidicolor}}
9916 \def\@classz{\@classx
9917   \@tempcnta \count@
9918   \prepnext@tok
9919 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
9920   \@addtopreamble{\if@RTLtab\beginL\fi%
9921     \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
9922       \ifcase \@chnum
9923         \hskip\stretch{.5}\kern\z@
9924         \d@llarbegin
9925         \insert@column
9926         \d@llarend\hskip\stretch{.5}\or
9927         \d@llarbegin \insert@column \d@llarend \hfill \or
9928         \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
9929       $\vcenter
9930       \@startpbox{\@nextchar}\insert@column \@endpbox $\or
9931       \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
9932       \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
9933     \fi
9934   \if@RTLtab\endR\fi\egroup\egroup
9935 \begingroup
9936   \CT@setup
9937   \CT@column@color
9938   \CT@row@color
9939   \CT@cell@color
9940   \CT@do@color
9941 \endgroup
9942   \@tempdima\ht\z@
9943   \advance\@tempdima\minrowclearance
9944   \vrule\@height\@tempdima\@width\z@

```



```

9945         \unhbox\z@\if@RTLtab\endL\fi}%
9946     \prepnext@tok}

```

71 File color-xetex-bidi.def

```

9947 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for
9948 \long\def\color@b@x#1#2#3{%
9949     \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
9950     \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
9951     \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
9952     \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
9953     {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
9954         \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
9955 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
9956 \DeclareRobustCommand\color{%
9957     \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]{}
9958 \def\@declaredcolor#1{%
9959     \@ifundefined{\string\color @#1}%
9960     {\c@lor@error{`#1'}}%
9961     {\expandafter\let\expandafter\current@color
9962         \csname\string\color @#1\endcsname
9963         \set@color}%
9964     \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9965 \def\@undeclaredcolor[#1]#2{%
9966     \@ifundefined{color@#1}%
9967     {\c@lor@error{model `#1'}}%
9968     {\csname color@#1\endcsname\current@color{#2}%
9969         \set@color}%
9970     \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9971 \DeclareRobustCommand\bidicolor{%
9972     \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]{}
9973 \def\@bidiundeclaredcolor[#1]#2{%
9974     \@ifundefined{color@#1}%
9975     {\c@lor@error{model `#1'}}%
9976     {\csname color@#1\endcsname\current@color{#2}%
9977         \set@color}%
9978     \ignorespaces}
9979 \def\@bidideclaredcolor#1{%
9980     \@ifundefined{\string\color @#1}%
9981     {\c@lor@error{`#1'}}%
9982     {\expandafter\let\expandafter\current@color
9983         \csname\string\color @#1\endcsname
9984         \set@color}%
9985     \ignorespaces}
9986 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
9987 \def\color@fbbox#1#2#3{%
9988     \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbbox}{\bidicolor#1{#3}}}
9989 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmo

```

72 File combine-xetex-bidi.def

```

9990 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class fo
9991 \renewcommand{\c@ll@chapsecii}[2]{%
9992     \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi

```



```

9993 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
9994 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9995 }
9996 \renewcommand{\c@ll@chapseci}{%
9997 \setlength\@tempdima{0em}%
9998 \begingroup
9999 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10000 \parfillskip -\@pnumwidth
10001 \leavevmode
10002 }
10003 \renewenvironment{tocindent}[1]{%
10004 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

73 File crop-xetex-bidi.def

```

10005 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for Xe
10006 \renewcommand*\CROP@ulc{%
10007 \if@RTLmain%
10008 \begin{picture}(0,0)
10009 \unitlength\p@\thinlines
10010 \put(-40,0){\circle{10}}
10011 \put(-30,-5){\line(0,1){10}}
10012 \put(-35,0){\line(1,0){30}}
10013 \put(-10,30){\circle{10}}
10014 \put(-5,30){\line(1,0){10}}
10015 \put(0,35){\line(0,-1){30}}
10016 \end{picture}%
10017 \else%
10018 \begin{picture}(0,0)
10019 \unitlength\p@\thinlines
10020 \put(-30,0){\circle{10}}
10021 \put(-30,-5){\line(0,1){10}}
10022 \put(-35,0){\line(1,0){30}}
10023 \put(0,30){\circle{10}}
10024 \put(-5,30){\line(1,0){10}}
10025 \put(0,35){\line(0,-1){30}}
10026 \end{picture}%
10027 \fi%
10028 }
10029 \renewcommand*\CROP@urc{%
10030 \if@RTLmain%
10031 \begin{picture}(0,0)
10032 \unitlength\p@\thinlines
10033 \put(20,0){\circle{10}}
10034 \put(30,-5){\line(0,1){10}}
10035 \put(35,0){\line(-1,0){30}}
10036 \put(-10,30){\circle{10}}
10037 \put(-5,30){\line(1,0){10}}
10038 \put(0,35){\line(0,-1){30}}
10039 \end{picture}%
10040 \else%
10041 \begin{picture}(0,0)
10042 \unitlength\p@\thinlines
10043 \put(30,0){\circle{10}}

```



```

10044      \put(30,-5){\line(0,1){10}}
10045      \put(35,0){\line(-1,0){30}}
10046      \put(0,30){\circle{10}}
10047      \put(-5,30){\line(1,0){10}}
10048      \put(0,35){\line(0,-1){30}}
10049      \end{picture}%
10050      \fi%
10051  }
10052  \renewcommand*\CROP@llc{%
10053    \if@RTLmain%
10054      \begin{picture}(0,0)
10055        \unitlength\p@\thinlines
10056        \put(-40,0){\circle{10}}
10057        \put(-30,-5){\line(0,1){10}}
10058        \put(-35,0){\line(1,0){30}}
10059        \put(-10,-30){\circle{10}}
10060        \put(-5,-30){\line(1,0){10}}
10061        \put(0,-35){\line(0,1){30}}
10062      \end{picture}%
10063    \else%
10064      \begin{picture}(0,0)
10065        \unitlength\p@\thinlines
10066        \put(-30,0){\circle{10}}
10067        \put(-30,-5){\line(0,1){10}}
10068        \put(-35,0){\line(1,0){30}}
10069        \put(0,-30){\circle{10}}
10070        \put(-5,-30){\line(1,0){10}}
10071        \put(0,-35){\line(0,1){30}}
10072      \end{picture}%
10073      \fi%
10074  }
10075  \renewcommand*\CROP@lrc{%
10076    \if@RTLmain%
10077      \begin{picture}(0,0)
10078        \unitlength\p@\thinlines
10079        \put(20,0){\circle{10}}
10080        \put(30,-5){\line(0,1){10}}
10081        \put(35,0){\line(-1,0){30}}
10082        \put(-10,-30){\circle{10}}
10083        \put(-5,-30){\line(1,0){10}}
10084        \put(0,-35){\line(0,1){30}}
10085      \end{picture}%
10086    \else%
10087      \begin{picture}(0,0)
10088        \unitlength\p@\thinlines
10089        \put(30,0){\circle{10}}
10090        \put(30,-5){\line(0,1){10}}
10091        \put(35,0){\line(-1,0){30}}
10092        \put(0,-30){\circle{10}}
10093        \put(-5,-30){\line(1,0){10}}
10094        \put(0,-35){\line(0,1){30}}
10095      \end{picture}%
10096      \fi%
10097  }

```



```

10098 \@ifpackagewith{crop}{cam}{%
10099 \CROP@execopt{cam}%
10100 }{}

```

74 File cutwin-xetex-bidi.def

```

10101 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
10102 \renewcommand*{\c@twcompctr}[2]{%
10103   \def\c@twfirst{1}
10104   \loop\advance\c@twwinlines\m@ne
10105   \setbox\c@twslicea=\vsplit#1 to\baselineskip
10106   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
10107   \c@twprune{\c@twslicea}{\c@twlftside}%
10108   \c@twprune{\c@twsliceb}{\c@twrtside}%
10109   \ifnum\c@twfirst=\@ne
10110     \setbox#2=\vbox{\unvbox#2\hbox
10111       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
10112     \else
10113       \setbox#2=\vbox{\unvbox#2\hbox
10114       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\
10115     \fi
10116   \def\c@twfirst{2}
10117   \ifnum\c@twwinlines>\z@\repeat}
10118 \renewcommand*{\c@twcompodctr}[2]{%
10119   \def\c@twrounds{1}
10120   \def\c@twfirst{1}
10121   \@for\c@twlspec:=\c@twb\do{%
10122     \ifnum\c@twrounds=1
10123       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
10124       \c@twprune{\c@twslicea}{\c@twlspec}%
10125       \def\c@twrounds{2}
10126     \else
10127       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
10128       \c@twprune{\c@twsliceb}{\c@twlspec}%
10129       \ifnum\c@twfirst=1
10130         \setbox#2=\vbox{\unvbox#2\hbox
10131           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL
10132         \def\c@twfirst{2}
10133       \else
10134         \setbox#2=\vbox{\unvbox#2\hbox
10135         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\el
10136       \fi
10137     \def\c@twrounds{1}
10138   \fi}}

```

75 File cuted-xetex-bidi.def

```

10139 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for
10140
10141 \def\RTL@outputdblcol{%
10142   \if@firstcolumn
10143     \global\@firstcolumnfalse
10144     \global\setbox\@leftcolumn\copy\@outputbox
10145     \splitmaxdepth\maxdimen

```



```

10146 \vbadness\maxdimen
10147 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10148 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10149 \toks@\expandafter{\topmark}%
10150 \xdef\@firstcoltopmark{\the\toks@}%
10151 \toks@\expandafter{\splitfirstmark}%
10152 \xdef\@firstcolfirstmark{\the\toks@}%
10153 \ifx\@firstcolfirstmark\@empty
10154 \global\let\@setmarks\relax
10155 \else
10156 \gdef\@setmarks{%
10157 \let\firstmark\@firstcolfirstmark
10158 \let\topmark\@firstcoltopmark}%
10159 \fi
10160 \else
10161 \global\@firstcolumntrue
10162 \setbox\@outputbox\vbox{%
10163 \hb@xt@\textwidth{%
10164 \hskip \columnwidth
10165 \hfil
10166 {\normalcolor\vrule \@width\columnseprule}%
10167 \hfil
10168 \hb@xt@\columnwidth{%
10169 \bidi@firstcolumn@status@write%
10170 \box\@leftcolumn \hss}%
10171 \hskip -\textwidth
10172 \hb@xt@\columnwidth{%
10173 \bidi@lastcolumn@status@write%
10174 \box\@outputbox \hss}%
10175 \hskip \columnsep
10176 \hskip \columnwidth }}%
10177 \ifvoid\hold@viper
10178 \else
10179 \setbox\@outputbox \vbox to\textheight{%
10180 \box\hold@viper
10181 \box\@outputbox
10182 \vss
10183 }%
10184 \fi
10185 \@combinedblfloats
10186 \@setmarks
10187 \@outputpage
10188 \beginingroup
10189 \@dblfloatplacement
10190 \@startdblcolumn
10191 \@whiles\if@fcolmade \fi{\@outputpage
10192 \@startdblcolumn}%
10193 \ifvoid\@viper
10194 \else
10195 \global\setbox\@viper\vbox{%
10196 \vskip-\stripsep
10197 \unvbox\@viper
10198 }%
10199 \@viperoutput

```



```

10200     \fi
10201     \endgroup
10202     \fi}%
10203
10204 \def\LTR@outputdblcol{%
10205     \if@firstcolumn
10206         \global\@firstcolumnfalse
10207         \global\setbox\@leftcolumn\copy\@outputbox
10208         \splitmaxdepth\maxdimen
10209         \vbadness\maxdimen
10210         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10211         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10212         \toks@\expandafter{\topmark}%
10213         \xdef\@firstcoltopmark{\the\toks@}%
10214         \toks@\expandafter{\splitfirstmark}%
10215         \xdef\@firstcolfirstmark{\the\toks@}%
10216         \ifx\@firstcolfirstmark\@empty
10217             \global\let\@setmarks\relax
10218         \else
10219             \gdef\@setmarks{%
10220                 \let\firstmark\@firstcolfirstmark
10221                 \let\topmark\@firstcoltopmark}%
10222         \fi
10223     \else
10224         \global\@firstcolumntrue
10225         \setbox\@outputbox\vbox{%
10226             \hb@xt@\textwidth{%
10227                 \hb@xt@\columnwidth{%
10228                     \bidi@firstcolumn@status@write%
10229                     \box\@leftcolumn \hss}%
10230                 \hfil
10231                 {\normalcolor\vrule \@width\columnseprule}%
10232                 \hfil
10233                 \hb@xt@\columnwidth{%
10234                     \bidi@lastcolumn@status@write%
10235                     \box\@outputbox \hss}}}%
10236         \ifvoid\hold@viper
10237         \else
10238             \setbox\@outputbox \vbox to\textheight{%
10239                 \box\hold@viper
10240                 \box\@outputbox
10241                 \vss
10242             }%
10243         \fi
10244     \@combinedblfloats
10245     \@setmarks
10246     \@outputpage
10247     \begingroup
10248         \@dblfloatplacement
10249         \@startdblcolumn
10250         \@whilesw\if@fcolmade \fi{\@outputpage
10251         \@startdblcolumn}%
10252     \ifvoid\@viper
10253     \else

```



```

10254         \global\setbox\@viper\vbox{%
10255             \vskip-\stripsep
10256             \unvbox\@viper
10257         }%
10258         \@viperoutput
10259     \fi
10260 \endgroup
10261 \fi}%
10262
10263 \def\@addviper{%
10264     \@insertfalse
10265     \def\var@@thecol@num{2}%
10266     \if@firstcolumn
10267         \def\var@@thecol@num{1}%
10268         \@reqcolroom=.5\@pageht
10269         \ht@viper=\@reqcolroom
10270         \advance\@reqcolroom by\ht\@viper
10271         \advance\@reqcolroom by\stripsep
10272     \else
10273         \@reqcolroom=\@colht
10274         \advance\@reqcolroom by\@pageht
10275         \ht@viper.5\@reqcolroom
10276         \@reqcolroom=\ht@viper
10277         \advance\@reqcolroom by\ht\@viper
10278         \advance\@reqcolroom by\stripsep
10279         \global\setbox\@holdpg\vbox{%
10280             \setbox\cuted@tempbox@a\vbox{%
10281                 \aftergroup\unvbox
10282                 \unvcopy\@leftcolumn
10283                 \unskip\unkern\unpenalty
10284                 \setbox\@tempbox@a\lastbox
10285                 \ifdim\dimexpr\ht\@tempbox@a+\wd\@tempbox@a+\dp\@tempbox@a>\z@
10286                     %% keeps lastbox
10287                     \aftergroup\@leftcolumn
10288                 \else
10289                     %% removes lastbox
10290                     \aftergroup\cuted@tempbox@a
10291                 \fi
10292             }%
10293             \unskip\unkern\unpenalty
10294             \on@stripcols@break
10295             \the\At@ViperColsBreak
10296             \unvbox\@holdpg
10297         }%
10298         \global\At@ViperColsBreak{}%
10299         \ht@viper=.5\ht\@holdpg
10300         \ifdim\ht@viper>\@colht
10301             \ht@viper=\@colht
10302         \fi
10303     \fi
10304     %%
10305     %% calculations for breaking
10306     %%
10307     \ifvoid\hold@viper

```



```

10308         \ht@hold@viper=\z@
10309     \else
10310         \ht@hold@viper=\ht\hold@viper
10311     \fi
10312     \cuted@@tempdim@b\ht@viper
10313     \set@split@topskip@to\topskip
10314     \loop
10315         \xdef\saved@tempdimb{\the\cuted@@tempdim@b}%
10316         \setbox\cuted@@varbox@a\copy\@holdpg
10317         \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
10318         %% set leftcolumn boxes
10319         \setbox\cuted@@tempbox@c\vbox{\unvbox\cuted@@tempbox@a}%
10320         \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
10321         \xdef\var@@leftcolumn@badness{\the\badness}%
10322         %% set rightcolumn boxes
10323         \setbox\cuted@@varbox@c\vbox{\unvbox\cuted@@varbox@a}%
10324         \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
10325         \xdef\var@@rightcolumn@badness{\the\badness}%
10326         %% analyzing split goodness
10327         \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
10328         \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
10329         \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
10330         \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c
10331         \cuted@@wlog@debug{CUTED [----]}%
10332         ^^JLeft: \the\ht\cuted@@tempbox@c
10333         +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
10334         ^^JRight: \the\ht\cuted@@varbox@c
10335         +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness
10336         ^^JSplit: \the\cuted@@tempdim@b
10337         ^^JExtra height: \the\cuted@@tempdim@spread
10338     }%
10339     \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
10340     \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
10341         \cuted@@tempdim@spread=\z@
10342     \fi
10343 \fi
10344 \ifdim\cuted@@tempdim@spread<\z@
10345     \if@left@column@spread
10346         \if@right@column@shrink
10347             \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
10348                 \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@spread
10349             \else
10350                 \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\rel
10351             \fi
10352             \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@a}
10353             \ifnum\badness<\cuted@@column@badness
10354                 \cuted@@tempdim@b=\cuted@@tempdim@a
10355                 \cuted@@tempdim@spread=\z@
10356             \fi
10357             \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on}
10358             \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@a}
10359             \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on}
10360         \else
10361             \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{\the\cuted@@tempdim@spread}

```



```

10362         \unvcopy\cuted@@tempbox@c
10363     }%
10364     \ifnum\badness<\cuted@@column@badness
10365         \@tempdimb=\ht\cuted@@varbox@c
10366         \cuted@@tempdim@spread=\z@
10367     \fi
10368     \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\
10369     \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{%
10370         \unvcopy\cuted@@varbox@c
10371     }%
10372     \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\
10373     \fi
10374     \else
10375         \if@right@column@shrink
10376             \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
10377                 \else
10378                     \cuted@@tempdim@b=\ht\cuted@@tempbox@c
10379                     \cuted@@tempdim@spread=\z@
10380                 \fi
10381             \fi
10382         \fi
10383     \else
10384         \ifdim\cuted@@tempdim@spread>\z@
10385             \ifdim\dimexpr\@tempdimb+\p@\relax>\@colht
10386                 \cuted@@tempdim@b=\@colht
10387                 \cuted@@tempdim@spread=\z@
10388             \fi
10389         \fi
10390     \fi
10391     \ifdim\cuted@@tempdim@spread<\z@
10392         \advance\cuted@@tempdim@b 1\p@
10393     \repeat
10394     \wlog{CUTED [- LAST -]}%
10395     ^^JExtra skip:\the\cuted@@tempdim@spread
10396     ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
10397     ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
10398     ^^JSplit:\saved@tempdimb
10399     ^^JOutput:\the\cuted@@tempdim@b
10400     ^^JPageshrink:\the\pageshrink
10401     ^^JPagestretch:\the\pagestretch
10402     ^^J@colht:\the\@colht
10403     }%
10404     %%
10405     %% final construction of the cuted page above strip
10406     %%
10407     \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
10408     \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
10409         \cuted@@tempdim@a=\dimexpr
10410             \cuted@@tempdim@b-\ht\cuted@@tempbox@c
10411         \relax
10412         \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
10413         \unvbox\cuted@@tempbox@c
10414         \ifdim\cuted@@tempdim@spread>\dp\strutbox
10415     \else

```



```

10416         \vskip-\cuted@@tempdim@spread
10417     \fi
10418     \prevdepth\z@
10419     \hrule\@height\cuted@@page@rule width\textwidth
10420     \vskip-\cuted@@page@rule
10421     \ifdim\cuted@@tempdim@a>\z@
10422         \if@left@column@spread
10423         \else
10424             \vss
10425         \fi
10426     \else
10427         \ifdim\cuted@@tempdim@a<\z@
10428             \if@left@column@shrink
10429             \else
10430                 \vss
10431             \fi
10432         \fi
10433     \fi
10434     }%
10435     \wlog{CUTED [output]: \the\cuted@@tempdim@b
10436     ^^JCUTED [leftcolumn badness]: \number\badness
10437     }%
10438     \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
10439         \cuted@@tempdim@a=\dimexpr
10440             \cuted@@tempdim@b-\ht\@holdpg
10441             \relax
10442         \unvbox\@holdpg
10443         \ifdim\cuted@@tempdim@a>\z@
10444             \if@right@column@spread
10445             \else
10446                 \vss
10447             \fi
10448         \else
10449             \ifdim\cuted@@tempdim@a<\z@
10450                 \if@right@column@shrink
10451                 \else
10452                     \vss
10453                 \fi
10454             \fi
10455         \fi
10456     }%
10457     \wlog{CUTED [rightcolumn badness]: \number\badness}%
10458     \setbox\cuted@@tempbox@var\vbox{%
10459         \hb@xt@\textwidth{%
10460             \if@RTLmain
10461                 \hskip \columnwidth
10462                 \hfil
10463                 {\normalcolor\vrule \@width\columnseprule}%
10464                 \hfil
10465                 \hb@xt@\columnwidth{%
10466                     \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10467                     \hss
10468                 }%
10469                 \hskip -\textwidth

```



```

10470         \hb@xt@\columnwidth{%
10471             \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10472             \hss
10473         }%
10474         \hskip \columnsep
10475         \hskip \columnwidth
10476     \else
10477         \hb@xt@\columnwidth{%
10478             \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10479             \hss
10480         }%
10481         \hfil
10482         {\normalcolor\vrule \@width\columnseprule}%
10483         \hfil
10484         \hb@xt@\columnwidth{%
10485             \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10486             \hss
10487         }%
10488     \fi
10489     }%
10490 }%
10491 %%
10492 %% finalize cuted page
10493 %%
10494 \ifvoid\hold@viper
10495     \global\setbox\hold@viper\vbox{%
10496         \unvbox\cuted@@tempbox@var
10497         \penalty\interlinepenalty
10498         \vskip\stripsep
10499         \the\preCutedStrip
10500         \ifnum\outputpenalty<-\@Mii
10501             \vskip -\parskip
10502         \fi
10503         \outputpenalty\z@
10504     }%
10505 \else
10506     \global\setbox\hold@viper\vbox{%
10507         \unvbox\hold@viper
10508         \cuted@@tempbox@var
10509         \penalty\interlinepenalty
10510         \vskip\stripsep
10511         \the\preCutedStrip
10512         \ifnum\outputpenalty<-\@Mii
10513             \vskip -\parskip
10514         \fi
10515         \outputpenalty\z@
10516     }%
10517 \fi
10518 \ifdim\@colht>\@reqcolroom
10519     \global\setbox\hold@viper\vbox{%
10520         \unvbox\hold@viper
10521         \box\@viper
10522         \penalty\interlinepenalty
10523         \the\postCutedStrip

```



```

10524         \vskip\stripsep
10525         \ifnum\outputpenalty<-\@Mii
10526             \vskip -\parskip
10527         \fi
10528         \outputpenalty\z@
10529     }%
10530 \inserttrue
10531 \global\@firstcolumntrue
10532 \advance\ht@hold@viper by-\ht@hold@viper
10533 \global\advance\@colht by\ht@hold@viper
10534 \ifdim\@colht<2.5\baselineskip
10535     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
10536                             too tall on page \thepage (\var@@thecol@num column)}}%
10537     \@emptycol
10538     \if@firstcolumn
10539     \else
10540         \@emptycol
10541     \fi
10542     \global\@lastvipertrue
10543 \else
10544     \global\vsizel\@colht
10545     \global\@colroom\@colht
10546     \check@floats\cuted@@tempdim@a
10547     \ifdim\cuted@@tempdim@a>\z@
10548         \global\advance\@colroom by-\cuted@@tempdim@a
10549     \fi
10550     \ifdim\@colroom<\z@
10551         \global\@colroom1\p@
10552         \ifdim\cuted@@tempdim@a>\@colht
10553             \@latex@warning@no@line{TOP and/or BOT FLOAT's
10554                                     to large on \thepage (\var@@thecol@num column)}}%
10555         \fi
10556         \@emptycol
10557         \if@firstcolumn
10558         \else
10559             \@emptycol
10560         \fi
10561         \global\@lastvipertrue
10562     \fi
10563 \fi
10564 \fi
10565 \if@insert
10566 \else
10567     \advance\ht@hold@viper by-\ht@hold@viper
10568     \global\advance\@colht by\ht@hold@viper
10569     \global\setbox\hold@viper\vbox{%
10570         \unvbox\hold@viper
10571         \set@split@topskip@to{\z@ plus2\p@}%
10572         \vsplit\@viper to\@colht
10573     \vss
10574     }%
10575     \vbox{}%
10576     \global\@firstcolumnfalse
10577 \newpage

```



```

10578 \fi
10579 }

```

76 File cvthemebidicasual.sty

```

10580 \NeedsTeXFormat{LaTeX2e}
10581 \ProvidesPackage{cvthemebidicasual}
10582 \DeclareOption{blue}{}
10583 \newif\if@colourorange\@colourorangefalse
10584 \DeclareOption{orange}{\@colourorange true}
10585 \newif\if@colourgreen\@colourgreenfalse
10586 \DeclareOption{green}{\@colourgreen true}
10587 \newif\if@coloured\@colouredfalse
10588 \DeclareOption{red}{\@coloured true}
10589 \newif\if@colourgrey\@colourgreyfalse
10590 \DeclareOption{grey}{\@colourgrey true}
10591 \DeclareOption*{
10592   \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
10593 \ExecuteOptions{colour}
10594 \ProcessOptions\relax
10595 \renewcommand*{\listitemsymbol}{\textbullet}
10596 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
10597 \familynamecolour{808080}
10598 \firstnamecolour{A9A9A9}
10599 \quotecolour{696969}
10600 \addresscolour{696969}
10601 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
10602 \sectiontitlecolour{1E90FF}
10603 \subsectioncolour{4682B4}
10604 \definecolor{rulecolour}{gray}{0.6}
10605 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
10606 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
10607 \if@colourorange
10608   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10609   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10610   \sectiontitlecolour{FF8C00}
10611   \subsectioncolour{FF8C00}
10612   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
10613   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
10614 \if@colourgreen
10615   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10616   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10617   \sectiontitlecolour{008000}
10618   \subsectioncolour{008000}
10619   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
10620   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
10621 \if@coloured
10622   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10623   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10624   \sectiontitlecolour{FF0000}
10625   \subsectioncolour{FF0000}
10626   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
10627   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
10628 \if@colourgrey

```



```

10629 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10630 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10631 \sectiontitlecolour{808080}
10632 \subsectioncolour{808080}
10633 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
10634 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
10635 \renewcommand*{\ttdefault}{pcr}
10636 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
10637 \renewcommand*{\familynamefont}{\firstnamefont}
10638 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10639 \renewcommand*{\quoteont}{\large\slshape}
10640 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10641 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10642 \renewcommand*{\maketitle}{%
10643   {%
10644     \ifthenelse{\isundefined{\@photo}}{%
10645       {%
10646         {\color{firstnamecolor}\framebox{\includegraphics[width=\photowidth]{\@photo}}}%
10647         \hfill%
10648         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]
10649         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
10650       \ifthenelse{\isundefined{\@quote}}{%
10651         {%
10652           {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\%
10653         }%
10654       \newif\if@firstfooterelement\@firstfooterelementtrue
10655       \providecommand*{\footersymbol}{%
10656         \renewcommand*{\footersymbol}{%
10657           \if@firstfooterelement%
10658           \else%
10659             { ~-\color{footersymbolcolor}\textbullet~~}\fi
10660         \providecommand*{\makefooter}{%
10661           \renewcommand*{\makefooter}{%
10662             \fancypagestyle{plain}{%
10663               \fancyfoot[c]{%
10664                 \parbox{0.8\textwidth}{%
10665                   \centering%
10666                   \addressfont\@addresscolour%
10667                   \ifthenelse{\isundefined{\@address}}{}{}%
10668                   \addresssymbol~\@address\%
10669                   \@firstfooterelementfalse}%
10670                 \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}
10671                 \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}
10672                 \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}
10673                 \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emailink{\@email}\@firstfooterelementfalse}
10674                 \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}
10675               }%
10676             \pagestyle{plain}}
10677       \AtBeginDocument{\makefooter}

```

77 File cvthemebidiclassic.sty

```

10678 \NeedsTeXFormat{LaTeX2e}
10679 \ProvidesPackage{cvthemebidiclassic}

```



```

10680 \DeclareOption{blue}{}
10681 \newif\if@colourorange\@colourorangefalse
10682 \DeclareOption{orange}{\@colourorange>true}
10683 \newif\if@colourgreen\@colourgreenfalse
10684 \DeclareOption{green}{\@colourgreentrue}
10685 \newif\if@colourred\@colourredfalse
10686 \DeclareOption{red}{\@colourred>true}
10687 \newif\if@colourgrey\@colourgreyfalse
10688 \DeclareOption{grey}{\@colourgrey>true}
10689 \DeclareOption*{
10690   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
10691 \ExecuteOptions{colour}
10692 \ProcessOptions\relax
10693 \renewcommand*{\listitemsymbol}{\textbullet}
10694 \firstnamecolour{}
10695 \familynamecolour{}
10696 \titlecolour{808080}
10697 \quotecolour{696969}
10698 \addresscolour{696969}
10699 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
10700 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
10701 \sectiontitlecolour{1E90FF}
10702 \subsectioncolour{4682B4}
10703 \if@colourorange
10704   \addresscolour{FF8C00}
10705   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10706   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
10707   \sectiontitlecolour{FF8C00}
10708   \subsectioncolour{FF8C00}\fi
10709 \if@colourgreen
10710   \addresscolour{008000}
10711   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10712   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10713   \sectiontitlecolour{008000}
10714   \subsectioncolour{008000}\fi
10715 \if@colourred
10716   \addresscolour{FF0000}
10717   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10718   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10719   \sectiontitlecolour{FF0000}
10720   \subsectioncolour{FF0000}\fi
10721 \if@colourgrey
10722   \addresscolour{808080}
10723   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10724   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10725   \sectiontitlecolour{808080}
10726   \subsectioncolour{808080}\fi
10727 \renewcommand*{\ttdefault}{pcr}
10728 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
10729 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
10730 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10731 \renewcommand*{\familynamefont}{\firstnamefont}
10732 \renewcommand*{\quotefont}{\large\slshape}
10733 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}

```



```

10734 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10735 \newlength{\maketitlenamemaxwidth}
10736 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
10737 \newlength{\maketitlenamefullwidth}
10738 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname-}\familynamestyle{\@familyname-}}
10739 \newlength{\maketitlenamewidth}
10740 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}%
10741 \newlength{\maketitlepicturewidth}
10742 \setlength{\maketitlepicturewidth}{\@photowidth}
10743 \newlength{\maketitledetailwidth}
10744 \renewcommand*{\recomputethemelengths}{%
10745   \setlength{\maketitledetailwidth}{\textwidth}%
10746   \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
10747   \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
10748   \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
10749 \recomputethemelengths
10750 \newif\if@firstdetailselement\@firstdetailselementtrue
10751 \newcommand*{\maketitledetailsnewline}{%
10752   \if@firstdetailselement%
10753     \@firstdetailselementfalse%
10754   \else%
10755     \[.2em]\fi}
10756 \renewcommand*{\maketitle}{%
10757   % name and title
10758   \begin{minipage}[b]{\maketitlenamewidth}%
10759     \firstnamestyle{\@firstname-}\familynamestyle{\@familyname}%
10760     \ifthenelse{equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}{}%
10761   \end{minipage}%
10762   % optional data
10763   \begin{minipage}[b]{\maketitledetailwidth}%
10764     \bidi@raggedleft\addressfont\@addresscolour%
10765     \ifthenelse{\isundefined{\@address}}{\[.2em]}{\@address}%
10766     \maketitledetailsnewline%
10767     \addresssymbol~\@address%
10768     \ifthenelse{\isundefined{\@mobile}}{\[.2em]}{\@mobile}%
10769     \ifthenelse{\isundefined{\@phone}}{\[.2em]}{\@phone}%
10770     \ifthenelse{\isundefined{\@fax}}{\[.2em]}{\@fax}%
10771     \ifthenelse{\isundefined{\@email}}{\[.2em]}{\@email}%
10772     \ifthenelse{\isundefined{\@extrainfo}}{\[.2em]}{\@extrainfo}%
10773   \end{minipage}%
10774   % optional photo
10775   \ifthenelse{\isundefined{\@photo}}{\[.2em]}{\@photo}%
10776   {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\@photo]{\@photo}}}%
10777   % optional quote
10778   \ifthenelse{\isundefined{\@quote}}{\[.2em]}{\@quote}%
10779   {\hspace*{\separatorcolumnwidth}\color{quote}\framebox{\includegraphics[width=\@quote]{\@quote}}}%
10780   {\hspace*{\separatorcolumnwidth}\color{quote}\framebox{\includegraphics[width=\@quote]{\@quote}}}%
10781   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}}%
10782 }

```

78 File dblfnote-xetex-bidi.def

```

10783 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
10784 \let\autofooterline\relax

```



```

10785 \let\rightfootnoterule\relax
10786 \let\leftfootnoterule\relax
10787 \let\textwidthfootnoterule\relax
10788 \let\LRfootnoterule\relax
10789 \def\footnoterule{\kern-3\p@
10790   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
10791 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
10792 \let\@footnotetext\dfn@footnotetext}
10793 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
10794   \let\insert\dfn@gobble
10795   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10796   \def\@makefnmark{\smash{\dfn@makefnmark}}}
10797   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10798   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10799   \ifdim\dfn@dima>\z@ \else
10800     \dfn@dima1sp\relax
10801     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10802   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10803     \ifvoid\dfn@ins\else
10804       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10805     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10806   \setbox\dfn@boxa\copy\dfn@ins
10807   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10808   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10809   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10810   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10811   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10812 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
10813 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
10814 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
10815   \let\insert\dfn@gobble
10816   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10817   \def\@makefnmark{\smash{\dfn@makefnmark}}}
10818   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10819   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10820   \ifdim\dfn@dima>\z@ \else
10821     \dfn@dima1sp\relax
10822     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10823   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10824     \ifvoid\dfn@ins\else
10825       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10826     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10827   \setbox\dfn@boxa\copy\dfn@ins
10828   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10829   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10830   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10831   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10832   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10833 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
10834 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
10835 \def\dfn@RTLmakecol{{\ifvoid\footins\else
10836   \dfn@dima\ht\footins
10837   \@tempcnta\z@ \dfn@countins
10838   \@tempdima\z@ \let\@elt\dfn@elt@getht

```



```

10839 \dfn@list\@nil
10840 \ifdim\@tempdima=\z@\else
10841 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10842 \global\setbox\dfn@ins\box\dfn@ins
10843 \@tempswattrue
10844 \ifdfn@trysingle
10845 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10846 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10847 \advance\@tempdima-\skip\footins
10848 \advance\@tempdima-\ht\dfn@boxa
10849 \ifdim\@tempdima<\z@\else \@tempswafalse
10850 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10851 \footnoterule \unvbox\dfn@boxa}\fi\fi
10852 \if@tempswa
10853 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10854 \global\setbox\footins\vbox{\hbox{%
10855 \hskip \DFNcolumnwidth
10856 \hskip\DFNcolumnsep
10857 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10858 \unvbox\dfn@boxb\vss}\hss}
10859 \hskip -\textwidth
10860 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10861 \vbox to\@tempdima{
10862 \setbox\@tempboxa\vbox{\footnoterule}
10863 \ifdfn@ruleboth \unvbox\@tempboxa
10864 \else \@tempdima\ht\@tempboxa
10865 \advance\@tempdima\dp\@tempboxa
10866 \vskip\@tempdima
10867 \prevdepth\dp\@tempboxa \fi
10868 \unvbox\dfn@boxa\vss}\fi\hss}
10869 \hskip \DFNcolumnsep
10870 \hskip \DFNcolumnwidth}}\fi\fi
10871 \global\dfn@fnht\z@
10872 \ifx\dfn@list\@empty\else
10873 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10874 \dfn@list \global\advance\dfn@fnht\dfn@dimb
10875 \let\@elt\relax
10876 \ifdim\dfn@dimb>\z@
10877 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10878 \insert\footins{\floatingpenalty\@MM
10879 \vbox to\dfn@dimb{}}\fi
10880 \ifdim\dfn@fnht>\@tempdima
10881 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10882 \global\dfn@fnht\@tempdima
10883 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10884 \xdef\dfn@afteroutput{\insert\footins{
10885 \floatingpenalty\@MM
10886 \vbox to\number\@tempdimb sp{}}}%
10887 \global\let\noexpand\dfn@afteroutput\relax}%
10888 \fi\fi
10889 \fi}%
10890 \let\footnoterule\relax \dfn@latex@makecol
10891 \let\footnoterule\dfn@footnoterule}
10892 \def\dfn@LTRmakecol{\ifvoid\footins\else

```



```

10893 \dfn@dima\ht\footins
10894 \@tempcnta\z@ \dfn@countins
10895 \@tempdima\z@ \let\@elt\dfn@elt@getht
10896 \dfn@list\@nil
10897 \ifdim\@tempdima=\z@\else
10898 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10899 \global\setbox\dfn@ins\box\dfn@ins
10900 \@tempswatrue
10901 \ifdfn@trysingle
10902 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10903 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10904 \advance\@tempdima-\skip\footins
10905 \advance\@tempdima-\ht\dfn@boxa
10906 \ifdim\@tempdima<\z@\else \@tempswafalse
10907 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10908 \footnoterule \unvbox\dfn@boxa}\fi\fi
10909 \if@tempswa
10910 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10911 \global\setbox\footins\vbox{\hbox{%
10912 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10913 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
10914 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10915 \vbox to\@tempdima{
10916 \setbox\@tempboxa\vbox{\footnoterule}
10917 \ifdfn@ruleboth \unvbox\@tempboxa
10918 \else \@tempdima\ht\@tempboxa
10919 \advance\@tempdima\dp\@tempboxa
10920 \vskip\@tempdima
10921 \prevdepth\dp\@tempboxa \fi
10922 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
10923 \global\dfn@fnht\z@
10924 \ifx\dfn@list\@empty\else
10925 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10926 \dfn@list \global\advance\dfn@fnht\dfn@dimb
10927 \let\@elt\relax
10928 \ifdim\dfn@dimb>\z@
10929 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10930 \insert\footins{\floatingpenalty\@MM
10931 \vbox to\dfn@dimb{}}\fi
10932 \ifdim\dfn@fnht>\@tempdima
10933 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10934 \global\dfn@fnht\@tempdima
10935 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10936 \xdef\dfn@afteroutput{\insert\footins{
10937 \floatingpenalty\@MM
10938 \vbox to\number\@tempdimb sp{}}}%
10939 \global\let\noexpand\dfn@afteroutput\relax}%
10940 \fi\fi
10941 \fi}%
10942 \let\footnoterule\relax \dfn@latex@makecol
10943 \let\footnoterule\dfn@footnoterule}
10944 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
10945 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
10946 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}

```



10947 \DFNalwaysdouble

79 File diagbox-xetex-bidi.def

```
10948 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package
10949 \bidi@patchcmd{\diagbox@double}{%
10950   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10951 }{\bidi@@diagbox@double@ii}{-}{-}
10952 \bidi@patchcmd{\diagbox@double}{%
10953   \begin{tabular}{@{>\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
10954 }{\bidi@@diagbox@double@iii}{-}{-}
10955 \newcommand*{\bidi@@diagbox@double@ii}{%
10956   \ifRTL
10957     \begin{tabular}{@{>\diagbox@font}r@{\hspace{\diagbox@insepl}}}
10958   \else
10959     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10960   \fi
10961 }
10962 \newcommand*{\bidi@@diagbox@double@iii}{%
10963   \ifRTL
10964     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
10965   \else
10966     \begin{tabular}{@{>\diagbox@font}r@{\hspace{\diagbox@insepr}}}
10967   \fi
10968 }
10969 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10970   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10971 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
10972 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10973   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10974 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
10975 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10976   \begin{tabular}{@{>\diagbox@font}r@{\hspace{\diagbox@insepr}}}
10977 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
10978 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
10979   \ifRTL
10980     \begin{tabular}{@{>\diagbox@font}r@{\hspace{\diagbox@insepl}}}
10981   \else
10982     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10983   \fi
10984 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
10985   \ifRTL
10986     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
10987   \else
10988     \begin{tabular}{@{>\diagbox@font}r@{\hspace{\diagbox@insepr}}}
10989   \fi
10990 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
10991 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10992   \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
10993 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
10994 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10995   \begin{tabular}{@{>\hspace{\diagbox@insepr}}}%
10996 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
10997 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
```



```

10998     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
10999 }{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
11000 \newcommand*{\bidi@diagbox@triple@setbox@SE@tabular@i}{%-
11001     \if@RTL
11002         \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}%
11003     \else
11004         \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
11005     \fi
11006 }
11007 \newcommand*{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{%-
11008     \if@RTL
11009         \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
11010     \else
11011         \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
11012     \fi
11013 }
11014 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
11015 \bidi@patchcmd{\diagbox@double@pict@SE}{%-
11016     \diagbox@setlinecolor
11017     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
11018 }{%
11019     {\diagbox@setlinecolor
11020     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
11021 }{-}{-}
11022 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
11023 \bidi@patchcmd{\diagbox@double@pict@NE}{%-
11024     \diagbox@setlinecolor
11025     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
11026 }{%
11027     {\diagbox@setlinecolor
11028     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
11029 }{-}{-}
11030 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
11031 \bidi@patchcmd{\diagbox@triple@pict@NW}{%-
11032     \diagbox@setlinecolor
11033     \Line(0,\yym)(\x,0)
11034     \Line(\xm,\y)(\x,0)%
11035 }{%
11036     {\diagbox@setlinecolor
11037     \Line(0,\yym)(\x,0)
11038     \Line(\xm,\y)(\x,0)}%
11039 }{-}{-}
11040 \bidi@patchcmd{\diagbox@triple@pict@NE}{%-
11041     \diagbox@setlinecolor
11042     \Line(0,0)(\xxm,\y)
11043     \Line(0,0)(\x,\yym)%
11044 }{%
11045     {\diagbox@setlinecolor
11046     \Line(0,0)(\xxm,\y)
11047     \Line(0,0)(\x,\yym)}%
11048 }{-}{-}
11049 \bidi@patchcmd{\diagbox@triple@pict@SW}{%-
11050     \diagbox@setlinecolor
11051     \Line(0,\ym)(\x,\y)

```



```

11052 \Line(\xm,0)(\x,\y)%
11053 }{%
11054 {\diagbox@setlinecolor
11055 \Line(0,\ym)(\x,\y)
11056 \Line(\xm,0)(\x,\y)}%
11057 }{}{}
11058 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
11059 \diagbox@setlinecolor
11060 \Line(0,\y)(\xxm,0)
11061 \Line(0,\y)(\x,\ym)}%
11062 }{%
11063 {\diagbox@setlinecolor
11064 \Line(0,\y)(\xxm,0)
11065 \Line(0,\y)(\x,\ym)}%
11066 }{}{}

```

80 File draftwatermark-xetex-bidi.def

```

11067 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
11068 \renewcommand\SetWatermarkText[1]{%
11069 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

81 File eso-pic-xetex-bidi.def

```

11070 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package]
11071 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
11072 \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}}
11073
11074 \ESO@isMEMOIR{%
11075 \renewcommand\AtTextUpperLeft[1]{%
11076 \begingroup
11077 \ifodd\c@page
11078 \if@RTLmain
11079 \ESO@tempdima=\paperwidth
11080 \advance\ESO@tempdima-\textwidth
11081 \advance\ESO@tempdima-\spinemargin
11082 \else
11083 \ESO@tempdima=\spinemargin
11084 \fi
11085 \else
11086 \if@RTLmain
11087 \ESO@tempdima=\spinemargin
11088 \else
11089 \ESO@tempdima=\paperwidth
11090 \advance\ESO@tempdima-\textwidth
11091 \advance\ESO@tempdima-\spinemargin
11092 \fi
11093 \fi
11094 \ESO@tempdimb=-\uppermargin
11095 \AtPageUpperLeft{%
11096 \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11097 }%
11098 \endgroup
11099 }

```



```

11100 }{%
11101   \renewcommand\AtTextUpperLeft[1]{%
11102     \begingroup
11103       \ESO@tempdima=1in\relax
11104       \if@twoside
11105         \ifodd\c@page
11106           \if@RTLmain
11107             \advance\ESO@tempdima\evensidemargin
11108           \else
11109             \advance\ESO@tempdima\oddsidemargin
11110           \fi
11111         \else
11112           \if@RTLmain
11113             \advance\ESO@tempdima\oddsidemargin
11114           \else
11115             \advance\ESO@tempdima\evensidemargin
11116           \fi
11117         \fi
11118       \else
11119         \advance\ESO@tempdima\oddsidemargin
11120       \fi
11121       \ESO@tempdimb=-1in\relax
11122       \advance\ESO@tempdimb-\topmargin
11123       \advance\ESO@tempdimb-\headheight
11124       \advance\ESO@tempdimb-\headsep
11125       \AtPageUpperLeft{%
11126         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11127       }%
11128     \endgroup
11129   }
11130 }

```

82 File empheq-xetex-bidi.def

```

11131 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package fo
11132 \MHInternalSyntaxOn
11133 \def\EQ_tag_plus_endmark:{%
11134   \iftagsleft@
11135     \gdef\maketag@@@##1{%
11136       \hfuzz\displaywidth
11137       \if@RTL\makebox[\widthof{##1}][r]{%
11138         \hbox to \displaywidth{\m@th\normalfont##1\hss
11139           \raisebox{-\dp\EQ_mathdisplay_box
11140             -\depthof{\EQ_outerbox:}}{
11141             {\PotEndMark{\hss}}}}
11142       \else\makebox[\widthof{##1}][l]{%
11143         \hbox to \displaywidth{\m@th\normalfont##1\hss
11144           \raisebox{-\dp\EQ_mathdisplay_box
11145             -\depthof{\EQ_outerbox:}}{
11146             {\PotEndMark{\hss}}}}\fi}%
11147   \MH_else:
11148   \gdef\maketag@@@##1{%
11149     \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
11150       \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%

```



```

11151 \MH_addtolength:dn \@tempdima
11152 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
11153 \setlength{\@tempdimb}
11154 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
11155 +\depthof{\EQ_innerbox:}}
11156 \MH_if_dim:w \@tempdima>\@tempdimb
11157 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
11158 -\@tempdima+\g_EQ_bottomrow_depth_dim}
11159 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
11160 \def\EQ_next:{\raisebox{\@tempdima}}%
11161 \MH_else:
11162 \def\EQ_next:{
11163 \raisebox{-\dp\EQ_mathdisplay_box
11164 -\depthof{\EQ_outerbox:}}}%
11165 \MH_fi:\EQ_next:}}}%
11166 \MH_fi:}
11167 \def\EQ_post_process:{%
11168 \EQ_initialize:
11169 \EQ_begin_equation:
11170 \MH_if_boolean:nT {outer_mult}{
11171 \setkeys{\MT_options_name:}{
11172 firstline-afterskip=Opt,
11173 lastline-preskip=Opt,
11174 multlined-width=Opt,
11175 }
11176 \ifodd \l_EQ_alignmentmode_int
11177 \setkeys{\MT_options_name:}{multlined-pos=b}
11178 \MH_else:
11179 \setkeys{\MT_options_name:}{multlined-pos=t}
11180 \MH_fi:
11181 \g@addto@macro\EQ_complete_mathdisplay:{
11182 \begin{MTmultlined}\relax}
11183 }
11184 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
11185 \MH_if_boolean:nT {outer_mult}{
11186 \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
11187 }
11188 \EQ_end_equation:
11189 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
11190 \savecounters@
11191 \EQ_typeset_tags:
11192 \edef\l_EQ_equation_fint{\number\c@equation}
11193 \restorecounters@
11194 \Hy@linkcounter=\EQ_hyperref_link_fint
11195 \settowidth\l_EQ_totalwidth_dim{%
11196 $\EQ_left_side:\EQ_innerbox:}\EQ_right_side:$}%
11197 \MH_if_boolean:nTF {outer_mult}
11198 { \def\EQ_next:{_mult} }
11199 { \def\EQ_next:{} }
11200 \@nameuse{EQ_modify_linewidth_
11201 \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11202 \EQ_typeset_display:
11203 \@nameuse{EQ_find_displaywidth_
11204 \romannumeral\l_EQ_equationtype_int\EQ_next: :}

```



```

11205 \MH_addtolength:dn
11206 \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
11207 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
11208   $\EQ_left_side:
11209   \EQ_innerbox:{%
11210     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
11211     \makebox[\l_EQ_displaywidth_dim][c]
11212     {\usebox{\EQ_mathdisplay_box}}%
11213   \MH_or:
11214     \makebox[\l_EQ_displaywidth_dim][c]
11215     {\usebox{\EQ_mathdisplay_box}}%
11216   \MH_or:
11217     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11218       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11219         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11220         \kern-\@mathmargin
11221         \MH_fi:
11222       \MH_fi:
11223       \usebox{\EQ_mathdisplay_box}}%
11224     \else\makebox[\l_EQ_displaywidth_dim][l]{%
11225       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11226       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11227       \kern-\@mathmargin
11228       \MH_fi:
11229       \MH_fi:
11230       \usebox{\EQ_mathdisplay_box}}\fi%
11231   \MH_or:
11232     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11233       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11234       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11235       \kern-\@mathmargin
11236       \MH_fi:
11237       \MH_fi:
11238       \usebox{\EQ_mathdisplay_box}}
11239     \else\makebox[\l_EQ_displaywidth_dim][l]{%
11240       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11241       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11242       \kern-\@mathmargin
11243       \MH_fi:
11244       \MH_fi:
11245       \usebox{\EQ_mathdisplay_box}}\fi%
11246   \MH_fi:}%
11247 \EQ_right_side:$}%
11248 \begin{AmSequation*}
11249 \@nameuse{EQ_place_display_
11250   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11251 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
11252 \MH_set_boolean_T:n {show_manual_tags}
11253 \MH_if_case:w \l_EQ_alignmentmode_int
11254 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
11255 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
11256 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3
11257 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#4
11258 \MH_fi:

```



```

11259 \MH_fi:
11260 \end{AmSequation*}
11261 \global\c@equation=\l_EQ_equation_fint\relax
11262 }
11263 \AtBeginDocument{%
11264 \ifpackageloaded{fancybox}{%
11265 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
11266 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
11267 \renewcommand*\shadowbox{%
11268 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
11269 \VerbBox\EQ_shadowbox:n}
11270 {\MH_set_boolean_F:n {shadowbox_star}
11271 \VerbBox\EQ_shadowbox:n}}
11272 \def\EQ_shadowbox:n #1{%
11273 \sbox{z@}{\fbox{#1}}%
11274 \MH_if_boolean:nTF {shadowbox_star}{
11275 \MH_setlength:dn \@tempdima{z@}%
11276 }{
11277 \MH_setlength:dn \@tempdima{\dp z@+\shadowsize}%
11278 }
11279 \raisebox{\@tempdima}{%
11280 \if@RTL\makebox[\z@][r]{%
11281 \kern\shadowsize \textcolor{shadowcolor}{%
11282 \rule[-\dp z@-\shadowsize]{\wd z@}{\shadowsize}}}%
11283 }%
11284 \else\makebox[\z@][l]{%
11285 \kern\shadowsize \textcolor{shadowcolor}{%
11286 \rule[-\dp z@-\shadowsize]{\wd z@}{\shadowsize}}}%
11287 }\fi%
11288 \usebox z@\textcolor{shadowcolor}{%
11289 \rule[-\dp z@-\shadowsize]{\shadowsize}{\ht z@+\dp z@}}}%
11290 }{}%
11291 }
11292 \MHInternalSyntaxOff

```

83 File extarticle-xetex-bidi.def

```

11293 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle cl
11294 \renewcommand*\l@section[2]{%
11295 \ifnum \c@tocdepth >\z@
11296 \addpenalty\@secpenalty
11297 \addvspace{1.0em \@plus\p@}%
11298 \setlength\@tempdima{1.5em}%
11299 \begingroup
11300 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11301 \parfillskip -\@pnumwidth
11302 \leavevmode \bfseries
11303 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
11304 \hskip -\if@RTL\rightskip\else\leftskip\fi
11305 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
11306 \endgroup
11307 \fi}
11308 \renewcommand*\l@part[2]{%
11309 \ifnum \c@tocdepth >-2\relax

```



```

11310 \addpenalty\@secpenalty
11311 \addvspace{2.25em \@plus\p@}%
11312 \begingroup
11313 \setlength\@tempdima{3em}%
11314 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11315 \parfillskip -\@pnumwidth
11316 {\leavevmode
11317 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11318 \nobreak
11319 \endgroup
11320 \fi}
11321 \def\@part[#1]#2{%
11322 \ifnum \c@secnumdepth >\m@ne
11323 \refstepcounter{part}%
11324 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
11325 \else
11326 \addcontentsline{toc}{part}{#1}%
11327 \fi
11328 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11329 \interlinepenalty \@M
11330 \normalfont
11331 \ifnum \c@secnumdepth >\m@ne
11332 \Large\bfseries \partname~\thepart
11333 \par\nobreak
11334 \fi
11335 \huge \bfseries #2%
11336 \markboth{}{}\par}%
11337 \nobreak
11338 \vskip 3ex
11339 \@afterheading}
11340 \def\@spart#1{%
11341 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11342 \interlinepenalty \@M
11343 \normalfont
11344 \huge \bfseries #1\par}%
11345 \nobreak
11346 \vskip 3ex
11347 \@afterheading}
11348 \renewenvironment{thebibliography}[1]
11349 {\section*{\refname
11350 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
11351 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11352 \bidi@thebibliography@font@hook%
11353 \list{\@biblabel{\@arabic\c@enumiv}}%
11354 {\settowidth\labelwidth{\@biblabel{#1}}%
11355 \leftmargin\labelwidth
11356 \advance\leftmargin\labelsep
11357 \@openbib@code
11358 \usecounter{enumiv}%
11359 \let\p@enumiv\@empty
11360 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11361 \sloppy\clubpenalty4000\widowpenalty4000%
11362 \sfcode\.\@m}
11363 {\def\@noitemerr

```



```

11364      {\@latex@warning{Empty `thebibliography' environment}}%
11365      \endlist}
11366 \renewcommand\left@footnoterule{%
11367   \kern-3\p@
11368   \hrule\@width.4\columnwidth
11369   \kern2.6\p@}
11370 \renewcommand\right@footnoterule{%
11371   \kern-3\p@
11372   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11373   \kern2.6\p@}
11374   \if@titlepage
11375   \renewcommand\maketitle{\begin{titlepage}%
11376     \let\footnotesize\small
11377     \let\right@footnoterule\relax
11378     \let\left@footnoterule\relax
11379     \let\textwidth\footnoterule\relax
11380     \let \footnote \thanks
11381     \null\vfil
11382     \vskip 60\p@
11383     \begin{center}%
11384       {\LARGE \@title \par}%
11385       \vskip 3em%
11386       {\large
11387         \lineskip .75em%
11388         \begin{tabular}[t]{c}%
11389           \@author
11390         \end{tabular}\par}%
11391       \vskip 1.5em%
11392       {\large \@date \par}%           % Set date in \large size.
11393     \end{center}\par
11394     \@thanks
11395     \vfil\null
11396   \end{titlepage}%
11397   \setcounter{footnote}{0}%
11398   \global\let\thanks\relax
11399   \global\let\maketitle\relax
11400   \global\let\@thanks\@empty
11401   \global\let\@author\@empty
11402   \global\let\@date\@empty
11403   \global\let\@title\@empty
11404   \global\let\title\relax
11405   \global\let\author\relax
11406   \global\let\date\relax
11407   \global\let\and\relax
11408 }
11409 \else
11410 \renewcommand\maketitle{\par
11411   \begingroup
11412     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11413     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11414     \long\def\@makefntext##1{\parindent 1em\noindent
11415       \hb@xt@1.8em{%
11416         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11417     \if@twocolumn

```



```

11418     \ifnum \col@number=\@ne
11419         \@maketitle
11420     \else
11421         \twocolumn[\@maketitle]%
11422     \fi
11423 \else
11424     \newpage
11425     \global\@topnum\z@    % Prevents figures from going at top of page.
11426     \@maketitle
11427 \fi
11428 \thispagestyle{plain}\@thanks
11429 \endgroup
11430 \setcounter{footnote}{0}%
11431 \global\let\thanks\relax
11432 \global\let\maketitle\relax
11433 \global\let\@maketitle\relax
11434 \global\let\@thanks\@empty
11435 \global\let\@author\@empty
11436 \global\let\@date\@empty
11437 \global\let\@title\@empty
11438 \global\let\title\relax
11439 \global\let\author\relax
11440 \global\let\date\relax
11441 \global\let\and\relax
11442 }
11443 \def\@maketitle{%
11444     \newpage
11445     \null
11446     \vskip 2em%
11447     \begin{center}%
11448     \let \footnote \thanks
11449     {\LARGE \@title \par}%
11450     \vskip 1.5em%
11451     {\large
11452         \lineskip .5em%
11453         \begin{tabular}[t]{c}%
11454             \@author
11455         \end{tabular}\par}%
11456     \vskip 1em%
11457     {\large \@date}%
11458     \end{center}%
11459     \par
11460     \vskip 1.5em}
11461 \fi
11462 \renewcommand\thesubsection    {\thesection\@SepMark\@arabic\c@section}
11463 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11464 \renewcommand\theparagraph    {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11465 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

84 File extbook-xetex-bidi.def

```

11466 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class fo
11467     \if@titlepage
11468     \renewcommand\maketitle{\begin{titlepage}%

```



```

11469 \let\footnotesize\small
11470 \let\right@footnoterule\relax
11471 \let\left@footnoterule\relax
11472 \let\textwidth@footnoterule\relax
11473 \let \footnote \thanks
11474 \let \LTRfootnote \LTRthanks
11475 \let \RTLfootnote \RTLthanks
11476 \null\vfil
11477 \vskip 60\p@
11478 \begin{center}%
11479   {\LARGE \@title \par}%
11480   \vskip 3em%
11481   {\large
11482     \lineskip .75em%
11483     \begin{tabular}[t]{c}%
11484       \@author
11485     \end{tabular}\par}%
11486     \vskip 1.5em%
11487     {\large \@date \par}%           % Set date in \large size.
11488 \end{center}\par
11489 \@thanks
11490 \vfil\null
11491 \end{titlepage}%
11492 \setcounter{footnote}{0}%
11493 \global\let\thanks\relax
11494 \global\let\LTRthanks\relax
11495 \global\let\RTLthanks\relax
11496 \global\let\maketitle\relax
11497 \global\let\@thanks\@empty
11498 \global\let\@author\@empty
11499 \global\let\@date\@empty
11500 \global\let\@title\@empty
11501 \global\let\title\relax
11502 \global\let\author\relax
11503 \global\let\date\relax
11504 \global\let\and\relax
11505 }
11506 \else
11507 \renewcommand\maketitle{\par
11508   \begingroup
11509     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11510     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11511     \long\def\@makefntext##1{\parindent 1em\noindent
11512       \hb@xt@1.8em{%
11513         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11514     \if@twocolumn
11515       \ifnum \col@number=\@one
11516         \@maketitle
11517       \else
11518         \twocolumn[\@maketitle]%
11519       \fi
11520     \else
11521       \newpage
11522       \global\@topnum\z@           % Prevents figures from going at top of page.

```



```

11523     \@maketitle
11524     \fi
11525     \thispagestyle{plain}\@thanks
11526 \endgroup
11527 \setcounter{footnote}{0}%
11528 \global\let\thanks\relax
11529 \global\let\LTRthanks\relax
11530 \global\let\RTLthanks\relax
11531 \global\let\maketitle\relax
11532 \global\let\@maketitle\relax
11533 \global\let\@thanks\@empty
11534 \global\let\@author\@empty
11535 \global\let\@date\@empty
11536 \global\let\@title\@empty
11537 \global\let\title\relax
11538 \global\let\author\relax
11539 \global\let\date\relax
11540 \global\let\and\relax
11541 }
11542 \def\@maketitle{%
11543   \newpage
11544   \null
11545   \vskip 2em%
11546   \begin{center}%
11547     \let \footnote \thanks
11548     \let \LTRfootnote \LTRthanks
11549     \let \RTLfootnote \RTLthanks
11550     {\LARGE \@title \par}%
11551     \vskip 1.5em%
11552     {\large
11553       \lineskip .5em%
11554       \begin{tabular}[t]{c}%
11555         \@author
11556       \end{tabular}\par}%
11557     \vskip 1em%
11558     {\large \@date}%
11559   \end{center}%
11560   \par
11561   \vskip 1.5em}
11562 \fi
11563 \renewcommand*\l@part[2]{%
11564   \ifnum \c@tocdepth >-2\relax
11565     \addpenalty{-\@highpenalty}%
11566     \addvspace{2.25em \@plus\p@}%
11567     \begingroup
11568       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11569       \parfillskip -\@pnumwidth
11570       {\leavevmode
11571         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11572       \nobreak
11573       \global\@nobreaktrue
11574       \everypar{\global\@nobreakfalse\everypar{}}%
11575     \endgroup
11576   \fi}

```



```

11577 \renewcommand\theequation
11578 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11579 \renewcommand \thefigure
11580 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11581 \renewcommand \thetable
11582 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11583 \renewcommand \thechapter {\@arabic\c@chapter}
11584 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11585 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11586 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11587 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11588 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
11589 \def\@makechapterhead#1{%
11590 \vspace*{50\p@}%
11591 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
11592 \ifnum \c@secnumdepth >\m@ne
11593 \if@mainmatter
11594 \huge\bfseries \@chapapp\space \thechapter
11595 \par\nobreak
11596 \vskip 20\p@
11597 \fi
11598 \fi
11599 \interlinepenalty\@M
11600 \Huge \bfseries #1\par\nobreak
11601 \vskip 40\p@
11602 }}
11603
11604 \def\@makeschapterhead#1{%
11605 \vspace*{50\p@}%
11606 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11607 \normalfont
11608 \interlinepenalty\@M
11609 \Huge \bfseries #1\par\nobreak
11610 \vskip 40\p@
11611 }}
11612 \renewcommand\backmatter{%
11613 \if@openright
11614 \cleardoublepage
11615 \else
11616 \clearpage
11617 \fi
11618 \@mainmatterfalse}
11619 \renewenvironment{thebibliography}[1]
11620 {\chapter*{\bibname
11621 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
11622 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11623 \bidi@thebibliography@font@hook%
11624 \list{\@biblabel{\@arabic\c@enumiv}}%
11625 {\settowidth\labelwidth{\@biblabel{#1}}%
11626 \leftmargin\labelwidth
11627 \advance\leftmargin\labelsep
11628 \@openbib@code
11629 \usecounter{enumiv}%
11630 \let\p@enumiv\@empty

```



```

11631         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11632     \sloppy
11633     \clubpenalty4000
11634     \@clubpenalty \clubpenalty
11635     \widowpenalty4000%
11636     \sfcode`. \m}
11637 {\def\@noitemerr
11638   {\@latex@warning{Empty `thebibliography' environment}}%
11639   \endlist}

```

85 File extletter-xetex-bidi.def

```

11640 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter clas
11641 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
11642   \thispagestyle{firstpage}%
11643   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
11644   \else % home address
11645     \thispagestyle{empty}%
11646     {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignor
11647       \fromaddress \*[2\parskip]%
11648       \@date \end{tabular}\par}%
11649     \fi
11650     \vspace{2\parskip}%
11651     {\if@RTL\raggedleft\else\raggedright\fi \toname \\\ toaddress \par}%
11652     \vspace{2\parskip}%
11653     #1\par\nobreak}
11654 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
11655   \stopbreaks
11656   \noindent
11657   \ifx\@empty\fromaddress\else
11658     \hspace*{\longindentation}\fi
11659   \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
11660     \ignorespaces #1\[\medskipamount]}%
11661     \ifx\@empty\fromsig
11662       \fromname
11663     \else \fromsig \fi\strut}%
11664   \par}
11665 \renewcommand\left@footnoterule{%
11666   \kern-\p@
11667   \hrule \@width .4\columnwidth
11668   \kern .6\p@}
11669 \renewcommand\right@footnoterule{%
11670   \kern-\p@
11671   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11672   \kern .6\p@}

```

86 File extrafootnotefeatures-xetex-bidi.def

```

11673 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2023/08/02 v2.6 bidi extra footnote fea
11674 \newdimen\bidi@columnwidth
11675 \def\bidi@floathook{%
11676   \bidi@columnwidth\columnwidth
11677 }
11678 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%

```



```

11679 \if@bidi@csundef{ifHy@hyperfootnotes}{-}{%
11680 \if@bidi@csundef{HLTR@LTrfootnotetext}{-}{%
11681 \ifHy@hyperfootnotes
11682 \let\@H@footnotetext\@footnotetext
11683 \let\@HLTR@LTrfootnotetext\@LTrfootnotetext
11684 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
11685 \let\@H@mpfootnotetext\@mpfootnotetext
11686 \let\@HLTR@mpLTrfootnotetext\@mpLTrfootnotetext
11687 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11688 \fi
11689 }%
11690 }%
11691 }
11692 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{-}{%
11693 \if@bidi@csundef{ifHy@hyperfootnotes}{-}{%
11694 \if@bidi@csundef{HLTR@LTrfootnotetext}{-}{%
11695 \ifHy@hyperfootnotes
11696 \let\H@footnotetext\@footnotetext
11697 \let\@footnotetext\@H@footnotetext
11698 \let\HLTR@LTrfootnotetext\@LTrfootnotetext
11699 \let\@LTrfootnotetext\@HLTR@LTrfootnotetext
11700 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11701 \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
11702 \let\H@mpfootnotetext\@mpfootnotetext
11703 \let\@mpfootnotetext\@H@mpfootnotetext
11704 \let\HLTR@mpLTrfootnotetext\@mpLTrfootnotetext
11705 \let\@mpLTrfootnotetext\@HLTR@mpLTrfootnotetext
11706 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11707 \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
11708 \fi
11709 }%
11710 }%
11711 }
11712 \let\autofootnoterule\relax
11713 \let\rightfootnoterule\relax
11714 \let\leftfootnoterule\relax
11715 \let\textwidthfootnoterule\relax
11716 \let\LRfootnoterule\relax
11717 \def\footnoterule{\kern-3\p@
11718 \hrule \@width \columnwidth \kern 2.6\p@}
11719 \newcommand{\@preamnormalfmt}{-}{%
11720 \parindent 1em%
11721 \noindent
11722 }
11723 \newcommand{\@normalfootfmt}[1]{-}{%
11724 \@preamnormalfmt
11725 \footfootmark
11726 \rule{z@}{footnotesep}\ignorespaces{\foottextfont #1}%
11727 \@finalstrut\strutbox
11728 }
11729 \newcommand{\@normalRTLfootfmt}[1]{-}{%
11730 \@preamnormalfmt
11731 \RTLfootfootmark
11732 \rule{z@}{footnotesep}\ignorespaces{\RTLfoottextfont #1}%

```



```

11733 \@finalstrut\strutbox
11734 }
11735 \newcommand{\@normalLTRfootfmt}[1]{%
11736   \@preamnormalfmt
11737   \LTRfootfootmark
11738   \rule{z@\footnotesep\ignorespaces}{\LTRfoottextfont #1}%
11739   \@finalstrut\strutbox
11740 }
11741 \renewcommand{\@footnotetext}[1]{%
11742   \insert\footins{%
11743     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11744     \def\baselinestretch{\m@m@footnote@spacing}%
11745     \reset@font
11746     \foottextfont
11747     \@preamfntext
11748     \hsize\columnwidth
11749     \protected@edef\@currentlabel{%
11750       \csname p@footnote\endcsname\@thefnmark}%
11751     \color@begingroup
11752       \@normalfootfmt{#1}%
11753     \color@endgroup}%
11754     \m@mmf@prepare}
11755 \newcommand{\@bidi@bidiold@footnotetext}[1]{%
11756   \@bidi@step@absolute@footnote@count
11757   \@bidi@reinsert@footnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
11758   \insert\footins{%
11759     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11760     \def\baselinestretch{\m@m@footnote@spacing}%
11761     \reset@font
11762     \foottextfont
11763     \@preamfntext
11764     \hsize\columnwidth
11765     \protected@edef\@currentlabel{%
11766       \csname p@footnote\endcsname\@thefnmark}%
11767     \color@begingroup
11768       \@normalfootfmt{#1}%
11769     \color@endgroup}%
11770     \m@mmf@prepare
11771 }
11772 \renewcommand{\@RTLfootnotetext}[1]{%
11773   \insert\footins{%
11774     \@RTLtrue%
11775     \def\baselinestretch{\m@m@footnote@spacing}%
11776     \reset@font
11777     \RTLfoottextfont
11778     \@preamfntext
11779     \hsize\columnwidth
11780     \protected@edef\@currentlabel{%
11781       \csname p@footnote\endcsname\@thefnmark}%
11782     \color@begingroup
11783       \@normalRTLfootfmt{#1}%
11784     \color@endgroup}%
11785     \m@mmf@prepare}
11786 \newcommand{\@bidi@bidiold@RTLfootnotetext}[1]{%

```



```

11787 \bidi@step@absolutefootnote@count
11788 \bidi@reinsertfootnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
11789 \insert\footins{%
11790 \@RTLtrue%
11791 \def\baselinestretch{\m@m@footnote@spacing}%
11792 \reset@font
11793 \RTLfoottextfont
11794 \@preamfntext
11795 \hsize\columnwidth
11796 \protected@edef\@currentlabel{%
11797 \csname p@footnote\endcsname\@thefnmark}%
11798 \color@begingroup
11799 \@normalRTLfootfmt{#1}%
11800 \color@endgroup}%
11801 \m@mmf@prepare
11802 }
11803 \renewcommand{\@LTRfootnotetext}[1]{%
11804 \insert\footins{%
11805 \@RTLfalse%
11806 \def\baselinestretch{\m@m@footnote@spacing}%
11807 \reset@font
11808 \LTRfoottextfont
11809 \@preamfntext
11810 \hsize\columnwidth
11811 \protected@edef\@currentlabel{%
11812 \csname p@footnote\endcsname\@thefnmark}%
11813 \color@begingroup
11814 \@normalLTRfootfmt{#1}%
11815 \color@endgroup}%
11816 \m@mmf@prepare}
11817 \renewcommand{\@mpfootnotetext}[1]{%
11818 \global\setbox\@mpfootins\vbox{%
11819 \unvbox\@mpfootins
11820 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
11821 \def\baselinestretch{\m@m@footnote@spacing}%
11822 \reset@font%
11823 \foottextfont \hsize\columnwidth \@parboxrestore
11824 \protected@edef\@currentlabel{%
11825 \csname p@mpfootnote\endcsname\@thefnmark}%
11826 \color@begingroup
11827 \@normalfootfmt{#1}%
11828 \color@endgroup}}
11829 \newcommand{\bidi@bidiold@mpfootnotetext}[1]{%
11830 \bidi@joinmpfootnotes\@mpfootinsv@1\@footstartv@1\mp@LTRfootgroupv@1
11831 \global\setbox\@mpfootins\vbox{%
11832 \unvbox\@mpfootins
11833 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11834 \def\baselinestretch{\m@m@footnote@spacing}%
11835 \reset@font%
11836 \foottextfont \hsize\columnwidth \@parboxrestore
11837 \protected@edef\@currentlabel{%
11838 \csname p@mpfootnote\endcsname\@thefnmark}%
11839 \color@begingroup
11840 \@normalfootfmt{#1}%

```



```

11841 \color@endgroup}}
11842 \renewcommand{\@mpLTRfootnotetext}[1]{%
11843 \global\setbox\@mpfootins\vbox{%
11844 \unvbox\@mpfootins
11845 \@RTLfalse
11846 \def\baselinestretch{\m@m@footnote@spacing}%
11847 \reset@font%
11848 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
11849 \protected@edef\@currentlabel{%
11850 \csname p@mpfootnote\endcsname\@thefnmark}%
11851 \color@begingroup
11852 \@normalLTRfootfmt{#1}%
11853 \color@endgroup}}
11854 \renewcommand{\@mpRTLfootnotetext}[1]{%
11855 \global\setbox\@mpfootins\vbox{%
11856 \unvbox\@mpfootins
11857 \@RTLtrue
11858 \def\baselinestretch{\m@m@footnote@spacing}%
11859 \reset@font%
11860 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11861 \protected@edef\@currentlabel{%
11862 \csname p@mpfootnote\endcsname\@thefnmark}%
11863 \color@begingroup
11864 \@normalRTLfootfmt{#1}%
11865 \color@endgroup}}
11866 \newcommand{\bidi@bidiold@mpRTLfootnotetext}[1]{%
11867 \bidi@joinmpfootnotes\@mpfootinsv@1\@footstartv@1\mp@LTRfootgroupv@1
11868 \global\setbox\@mpfootins\vbox{%
11869 \unvbox\@mpfootins
11870 \@RTLtrue
11871 \def\baselinestretch{\m@m@footnote@spacing}%
11872 \reset@font%
11873 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11874 \protected@edef\@currentlabel{%
11875 \csname p@mpfootnote\endcsname\@thefnmark}%
11876 \color@begingroup
11877 \@normalRTLfootfmt{#1}%
11878 \color@endgroup}}
11879 \let\m@mold@footnotetext\@footnotetext
11880 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
11881 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
11882 \let\m@mold@mpfootnotetext\@mpfootnotetext
11883 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
11884 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
11885 \bidi@ensure@newcommand{\normalfootnotes}{%
11886 \@bidi@before@Hy@hyperfootnotes
11887 \let\@footnotetext\m@mold@footnotetext
11888 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
11889 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
11890 \let\@mpfootnotetext\m@mold@mpfootnotetext
11891 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
11892 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
11893 \@bidi@after@Hy@hyperfootnotes
11894 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth

```



```

11895 }
11896 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{}
11897 \bidi@ensure@newcommand*\setSingleSpace[1]{%
11898   \def\m@m@singlespace{#1}%
11899   \def\m@m@footnote@spacing{#1}%
11900   \def\m@m@float@spacing{#1} %
11901 }
11902 \setSingleSpace{1}
11903 \bidi@ensure@newcommand*\multiplefootnotemarker{3sp}
11904 \bidi@ensure@newcommand*\m@mmf@prepare{%
11905   \kern-\multiplefootnotemarker
11906   \kern\multiplefootnotemarker\relax}
11907 \bidi@ensure@newlength{\footmarkwidth}
11908 \bidi@ensure@newcommand*\footmarkstyle[1]{\def\footscript##1{#1}}
11909 \bidi@ensure@newcommand*\LTRfootmarkstyle[1]{\def\LTRfootscript##1{#1}}
11910 \bidi@ensure@newcommand*\RTLfootmarkstyle[1]{\def\RTLfootscript##1{#1}}
11911 \bidi@ensure@newcommand{\footfootmark}{%
11912   \ifdim\footmarkwidth < \z@
11913     \llap{\hb@xt@ -\footmarkwidth{%
11914       \hss\normalfont\footscript{\@thefnmark}}}%
11915     \hspace*{-\footmarkwidth}}%
11916   \else
11917     \ifdim\footmarkwidth = \z@
11918       {\normalfont\footscript{\@thefnmark}}%
11919     \else
11920       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
11921     \fi
11922   \fi}
11923 \bidi@ensure@newcommand{\LTRfootfootmark}{%
11924   \ifdim\footmarkwidth < \z@
11925     \llap{\hb@xt@ -\footmarkwidth{%
11926       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
11927     \hspace*{-\footmarkwidth}}%
11928   \else
11929     \ifdim\footmarkwidth = \z@
11930       {\normalfont\LTRfootscript{\@thefnmark}}%
11931     \else
11932       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
11933     \fi
11934   \fi}
11935 \bidi@ensure@newcommand{\RTLfootfootmark}{%
11936   \ifdim\footmarkwidth < \z@
11937     \llap{\hb@xt@ -\footmarkwidth{%
11938       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
11939     \hspace*{-\footmarkwidth}}%
11940   \else
11941     \ifdim\footmarkwidth = \z@
11942       {\normalfont\RTLfootscript{\@thefnmark}}%
11943     \else
11944       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
11945     \fi
11946   \fi}
11947 \footmarkstyle{\textsuperscript{#1}}
11948 \LTRfootmarkstyle{\textsuperscript{#1}}

```



```

11949 \RTLfootmarkstyle{\textsuperscript{#1}}
11950 \newcommand*{\bidi@normal@footmarkwidth}{%
11951   \setlength{\footmarkwidth}{1em plus.3em minus.3em}%
11952 }
11953 \newcommand*{\bidi@star@footmarkwidth}{%
11954   \setlength{\footmarkwidth}{0em plus.3em minus.3em}%
11955 }
11956 \bidi@normal@footmarkwidth
11957 \bidi@ensure@newcommand{\m@ndoextrafeet}{\extrafeetins}
11958 \bidi@ensure@newcommand*{\extrafeetins}{%
11959   \bidi@joinfootnotes\footinsv@r\@footstartv@r\@footgroupv@r
11960   \bidi@joinfootnotes\footinsv@l\@footstartv@l\@LTRfootgroupv@l
11961   \bidi@joinfootnotes\@bidi@copyins@{\}\@unvbox\@bidi@copyins@}%
11962   \extrafeetinshook}
11963 \bidi@ensure@newcommand{\extrafeetinshook}{\}
11964 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
11965 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
11966 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
11967 \bidi@ensure@newlength{\footinsdim}
11968   \setlength{\footinsdim}{8in} % standard for \dimen\footins
11969 \bidi@ensure@newcommand{\@preamfntext}{%
11970   \interlinepenalty\interfootnotelinepenalty
11971   \floatingpenalty \@MM
11972   \splittopskip=\footnotesep
11973   \splitmaxdepth=\dp\strutbox
11974   \@parboxrestore}
11975 \def\bidi@ifmulticol#1#2{\@tempswafalse
11976   \ifnum\col@number>\@ne
11977     \ifnum\count\footins>1999 \@tempswatrue \fi
11978   \fi
11979   \if@tempswa #1\else #2\fi
11980 }
11981 \def\bidi@joinfootnotes#1#2#3{%
11982   \ifvoid#1
11983   \else
11984     \@tempskipa\skip#1%
11985     \bidi@ifmulticol{\divide\@tempskipa\col@number}{\}%
11986     \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
11987     \bidi@removexfootskip
11988     \ifvoid\footins
11989       \global\setbox\footins\vbox{#2#3}%
11990     \else
11991       \global\setbox\footins\vbox{%
11992         \unvbox\footins
11993         \bidi@footskip
11994         #2#3%
11995       }%
11996     \fi
11997   \fi
11998 }
11999 \def\bidi@reinsertfootnote#1#2#3{%
12000   \ifvoid#1%
12001   \else
12002     \insert\footins{#2#3}%

```



```

12003 \fi
12004 }
12005 \def\bidijoinmpfootnotes#1#2#3{%
12006 \ifvoid#1
12007 \else
12008 \@tempskipa\skip#1%
12009 \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
12010 \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
12011 \bidi@removexfootskip
12012 \ifvoid\@mpfootins
12013 \global\setbox\@mpfootins\vbox{#2#3}%
12014 \else
12015 \global\setbox\@mpfootins\vbox{%
12016 \unvbox\@mpfootins
12017 \bidi@footskip
12018 #2#3%
12019 }%
12020 \fi
12021 \fi
12022 }
12023 \newcount\bidi@absolute@page@count
12024 \bidi@absolute@page@count\@ne
12025 \newcount\bidi@absolute@footnote@count
12026 \bidi@AfterOutputBoxOutputPage{%
12027 \if@filesw
12028 \edef\@tempa{%
12029 \write\@auxout{%
12030 \string\bidi@finalfootnoteperpage%
12031 {\noexpand\number\noexpand\bidi@absolute@page@count}%
12032 {\noexpand\number\noexpand\bidi@absolute@footnote@count}%
12033 }%
12034 }%
12035 \@tempa
12036 \fi
12037 }
12038 \bidi@AtEndOutputPage{%
12039 \global\advance\bidi@absolute@page@count\@ne
12040 }
12041 \newcommand*{\bidi@finalfootnoteperpage}[2]{%
12042 \expandafter\gdef\csname bidi@currentpagefinalfootnote@@#1\endcsname{#2}%
12043 }
12044 \newif\ifbidi@finalfootnoteperpage
12045 \newcommand{\bidi@ifafterfinalfootnoteperpage}[2]{%
12046 \ifbidi@csundef\bidi@currentpagefinalfootnote@@\number\bidi@absolute@page@count}{%
12047 \global\@bidi@finalfootnoteperpagetrue
12048 }{%
12049 \global\@bidi@finalfootnoteperpagefalse
12050 \ifnum\bidi@absolute@footnote@count=\bidi@csuse\bidi@currentpagefinalfootnote@@\number\b
12051 #1%
12052 \else
12053 #2%
12054 \fi
12055 }%
12056 }

```



```

12057 \newcommand{\bidi@reinsertfinalfootnoteperpage}[3]{%
12058   \bidi@ifafterfinalfootnoteperpage{%
12059     \bidi@reinsertfootnote{#1}{#2}{#3}%
12060   }{%
12061   }%
12062 }
12063 \newcommand*{\bidi@step@absolutefootnote@count}{%
12064   \global\advance\bidi@absolutefootnote@count\@ne
12065 }
12066 \bidi@AfterEndDocumentCheckLabelsRerun{%
12067   \if\bidi@finalfootnoteperpage
12068     \PackageWarningNoLine{bidi}{%
12069       The absolute final footnote is not
12070       known on every page of your
12071       document. Rerun TeX to get the
12072       absolute final footnote on every page
12073       of your document%
12074     }%
12075   \fi
12076 }
12077 \bidi@ensure@newcommand{\m@mndoextrafeetmini}{%
12078   \extrafeetminihook}
12079 \bidi@ensure@newcommand{\extrafeetendmini}{%
12080   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12081   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12082   \extrafeetendminihook}
12083 \bidi@ensure@newcommand{\extrafeetendminihook}{}
12084 \bidi@ensure@newcommand{\m@mndoextrafeetendmini}{\extrafeetendmini}
12085 \def\endminipage{%
12086   \par
12087   \unskip
12088   \m@mndoextrafeetendmini
12089   \ifvoid\@mpfootins
12090   \else
12091     \vskip\skip\@mpfootins
12092     \normalcolor
12093     \footnoterule
12094     \unvbox\@mpfootins
12095   \fi
12096   \@minipagefalse
12097   \color@endgroup
12098   \egroup
12099   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
12100 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
12101   \@namedef{@footstart#1}{%
12102     \leftskip=\z@
12103     \rightskip=\z@
12104     \parindent=\z@
12105   }%
12106 }
12107 \newinsert\footinsv@r
12108 \skip\footinsv@r\skip\footins
12109 \count\footinsv@r=1000 % no magnification
12110 \dimen\footinsv@r=\footinsdim

```



```

12111 \m@make@footstart{v@r}
12112 \newinsert\footinsv@l
12113 \skip\footinsv@l\skip\footins
12114 \count\footinsv@l=1000 % no magnification
12115 \dimen\footinsv@l=\footinsdim
12116 \m@make@footstart{v@l}
12117 \bidi@ensure@newcommand{\@footgroupv@r}{\}
12118 \newinsert\@mpfootinsv@r
12119 \skip\@mpfootinsv@r\skip\@mpfootins
12120 \newinsert\@mpfootinsv@l
12121 \skip\@mpfootinsv@l\skip\@mpfootins
12122 \bidi@ensure@newcommand{\mp@footgroupv@r}{\}
12123 \newcount\m@m@k \newdimen\m@m@h
12124 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12125 \@@line{\beginR\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12126 \valign{##\vfill\cr\m@mdosplits}\endR}}
12127 \newcommand*{\bidi@LTRrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12128 \@@line{\beginL\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12129 \valign{##\vfill\cr\m@mdosplits}\endL}}
12130 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
12131 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
12132 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
12133 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
12134 \setbox2 \vsplit0 to \dimen0
12135 \unvbox2 }
12136 \bidi@ensure@newcommand{\twocolumnfootnotes}{\%
12137 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12138 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12139 \@bidi@before@Hy@hyperfootnotes
12140 \let\@footnotetext\@twocolfootnotetext
12141 \let\@LTRfootnotetext\@twocolLTRfootnotetext
12142 \let\@RTLfootnotetext\@twocolRTLfootnotetext
12143 \dimen\footinsv@r=2\footinsdim
12144 \count\footinsv@r=500\relax
12145 \m@make@twocol@footgroup{v@r}%
12146 \let\@footgroupv@r\@twocol@footgroupv@r
12147 \dimen\footinsv@l=2\footinsdim
12148 \count\footinsv@l=500\relax
12149 \bidi@make@twocol@LTRfootgroup{v@l}%
12150 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
12151 \let\@mpfootnotetext\@mptwocolfootnotetext
12152 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
12153 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
12154 \@bidi@after@Hy@hyperfootnotes
12155 \m@make@mptwocol@footgroup{v@r}%
12156 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
12157 \bidi@make@mptwocol@LTRfootgroup{v@l}%
12158 \let\mp@LTRfootgroupv@l\@mptwocol@LTRfootgroupv@l
12159 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12160 }
12161 \newcommand{\TwoColumnFootnotes}{\%
12162 \@namedef{foottextfontv@r}{\foottextfont}%
12163 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12164 \@bidi@before@Hy@hyperfootnotes

```



```

12165 \let\@footnotetext\@TwoColfootnotetext
12166 \let\@LTRfootnotetext\@TwoColLTRfootnotetext
12167 \let\@RTLfootnotetext\@TwoColRTLfootnotetext
12168 \dimen\footinsv@r=2\footinsdim
12169 \count\footinsv@r=500\relax
12170 \m@make@twocol@footgroup{v@r}%
12171 \let\@footgroupv@r\@twocol@footgroupv@r
12172 \dimen\footinsv@l=2\footinsdim
12173 \count\footinsv@l=500\relax
12174 \bidi@make@twocol@LTRfootgroup{v@l}%
12175 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
12176 \let\@mpfootnotetext\@mpTwoColfootnotetext
12177 \let\@mpLTRfootnotetext\@mpTwoColLTRfootnotetext
12178 \let\@mpRTLfootnotetext\@mpTwoColRTLfootnotetext
12179 \@bidi@after@Hy@hyperfootnotes
12180 \m@make@mp@twocol@footgroup{v@r}%
12181 \let\mp@footgroupv@r\@mp@twocol@footgroupv@r
12182 \bidi@make@mp@twocol@LTRfootgroup{v@l}%
12183 \let\mp@LTRfootgroupv@l\@mp@twocol@LTRfootgroupv@l
12184 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12185 }
12186 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert
12187   \if@RTL@footnote
12188     \footinsv@r
12189   \else
12190     \footinsv@l
12191   \fi
12192 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12193   \def\baselinestretch{\m@mm@footnote@spacing}%
12194   \reset@font\foottextfont
12195   \@preamfntext
12196   \protected@edef\@currentlabel{%
12197     \csname p@footnote\endcsname\@thefnmark}%
12198   \color@begingroup
12199     \@twocolfootfmt{#1}%
12200   \color@endgroup}%
12201   \m@mmf@prepare}
12202 \newcommand{\@TwoColfootnotetext}[1]{%
12203   \bidi@step@absolute@footnote@count
12204   \if@RTL@footnote
12205     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12206   \else
12207     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12208   \fi
12209   \global\setbox
12210   \if@RTL@footnote
12211     \footinsv@r
12212   \else
12213     \footinsv@l
12214   \fi
12215 \vbox{%
12216   \unvbox
12217   \if@RTL@footnote
12218     \footinsv@r

```



```

12219 \else
12220   \footinsv@l
12221 \fi
12222 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12223 \def\baselinestretch{\m@m@footnote@spacing}%
12224 \reset@font\foottextfont
12225 \@preamfntext
12226 \protected@edef\@currentlabel{%
12227   \csname p@footnote\endcsname\@thefnmark}%
12228 \color@begingroup
12229   \@twocolfootfmt{#1}%
12230 \color@endgroup}%
12231 \m@mmf@prepare
12232 \if@RTL@footnote
12233   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12234 \else
12235   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12236 \fi
12237 }
12238 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12239 \def\baselinestretch{\m@m@footnote@spacing}%
12240 \reset@font\LTRfoottextfont
12241 \@preamfntext
12242 \protected@edef\@currentlabel{%
12243   \csname p@footnote\endcsname\@thefnmark}%
12244 \color@begingroup
12245   \@twocolLTRfootfmt{#1}%
12246 \color@endgroup}%
12247 \m@mmf@prepare}
12248 \newcommand{\@TwoColLTRfootnotetext}[1]{%
12249   \bidi@step@absolutefootnote@count
12250 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12251 \global\setbox\footinsv@l\vbox{%
12252   \unvbox\footinsv@l
12253   \@RTLfalse
12254   \def\baselinestretch{\m@m@footnote@spacing}%
12255   \reset@font\LTRfoottextfont
12256   \@preamfntext
12257   \protected@edef\@currentlabel{%
12258     \csname p@footnote\endcsname\@thefnmark}%
12259   \color@begingroup
12260     \@twocolLTRfootfmt{#1}%
12261   \color@endgroup}%
12262   \m@mmf@prepare
12263   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12264 }
12265 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12266 \def\baselinestretch{\m@m@footnote@spacing}%
12267 \reset@font\RTLfoottextfont
12268 \@preamfntext
12269 \protected@edef\@currentlabel{%
12270   \csname p@footnote\endcsname\@thefnmark}%
12271 \color@begingroup
12272   \@twocolRTLfootfmt{#1}%

```



```

12273 \color@endgroup}%
12274 \m@mmf@prepare}
12275 \newcommand{\@TwoColRTLfootnotetext}[1]{%
12276 \bidi@step@absolutefootnote@count
12277 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12278 \global\setbox\footinsv@r\vbox{%
12279 \unvbox\footinsv@r
12280 \RTLtrue
12281 \def\baselinestretch{\m@mm@footnote@spacing}%
12282 \reset@font\RTLfoottextfont
12283 \preamfntext
12284 \protected@edef\@currentlabel{%
12285 \csname p@footnote\endcsname\@thefnmark}%
12286 \color@begingroup
12287 \@twocolRTLfootfmt{#1}%
12288 \color@endgroup}%
12289 \m@mmf@prepare
12290 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12291 }
12292 \bidi@ensure@newcommand{\@preamtwofmt}{%
12293 \hsize .45\hsize
12294 \parindent=\z@
12295 \tolerance=5000\relax
12296 \leavevmode}
12297 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
12298 \@preamtwofmt
12299 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12300 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
12301 \@preamtwofmt
12302 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12303 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
12304 \@preamtwofmt
12305 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12306 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
12307 \global\setbox
12308 \if@RTL@footnote
12309 \@mpfootinsv@r
12310 \else
12311 \@mpfootinsv@l
12312 \fi
12313 \vbox{%
12314 \unvbox
12315 \if@RTL@footnote
12316 \@mpfootinsv@r
12317 \else
12318 \@mpfootinsv@l
12319 \fi
12320 \if@RTL@footnote\RTLtrue\else\RTLfalse\fi
12321 \def\baselinestretch{\m@mm@footnote@spacing}%
12322 \reset@font\foottextfont
12323 \hsize\columnwidth \@parboxrestore
12324 \protected@edef\@currentlabel{%
12325 \csname p@mpfootnote\endcsname\@thefnmark}%
12326 \color@begingroup

```



```

12327 \@twocolfootfmt{#1}%
12328 \color@endgroup}%
12329 \m@mmf@prepare}
12330 \newcommand{\@mpTwoColfootnotetext}[1]{%
12331 \if@RTL@footnote
12332 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12333 \else
12334 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12335 \fi
12336 \global\setbox
12337 \if@RTL@footnote
12338 \@mpfootinsv@r
12339 \else
12340 \@mpfootinsv@l
12341 \fi
12342 \vbox{%
12343 \unvbox
12344 \if@RTL@footnote
12345 \@mpfootinsv@r
12346 \else
12347 \@mpfootinsv@l
12348 \fi
12349 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12350 \def\baselinestretch{\m@m@footnote@spacing}%
12351 \reset@font\foottextfont
12352 \hsize\columnwidth \@parboxrestore
12353 \protected@edef\@currentlabel{%
12354 \csname p@mpfootnote\endcsname\@thefnmark}%
12355 \color@begingroup
12356 \@twocolfootfmt{#1}%
12357 \color@endgroup}%
12358 \m@mmf@prepare}
12359 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
12360 \global\setbox\@mpfootinsv@l\vbox{%
12361 \unvbox\@mpfootinsv@l
12362 \@RTLfalse
12363 \def\baselinestretch{\m@m@footnote@spacing}%
12364 \reset@font\LTRfoottextfont
12365 \hsize\columnwidth \@parboxrestore
12366 \protected@edef\@currentlabel{%
12367 \csname p@mpfootnote\endcsname\@thefnmark}%
12368 \color@begingroup
12369 \@twocolLTRfootfmt{#1}%
12370 \color@endgroup}%
12371 \m@mmf@prepare}
12372 \newcommand{\@mpTwoColLTRfootnotetext}[1]{%
12373 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12374 \global\setbox\@mpfootinsv@l\vbox{%
12375 \unvbox\@mpfootinsv@l
12376 \@RTLfalse
12377 \def\baselinestretch{\m@m@footnote@spacing}%
12378 \reset@font\LTRfoottextfont
12379 \hsize\columnwidth \@parboxrestore
12380 \protected@edef\@currentlabel{%

```



```

12381 \csname p@mpfootnote\endcsname\@thefnmark}%
12382 \color@begingroup
12383 \@twocolLTRfootfmt{#1}%
12384 \color@endgroup}%
12385 \m@mmf@prepare}
12386 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
12387 \global\setbox\@mpfootinsv@r\vbox{%
12388 \unvbox\@mpfootinsv@r
12389 \RTLtrue
12390 \def\baselinestretch{\m@m@footnote@spacing}%
12391 \reset@font\RTLfoottextfont
12392 \hsize\columnwidth \@parboxrestore
12393 \protected@edef\@currentlabel{%
12394 \csname p@mpfootnote\endcsname\@thefnmark}%
12395 \color@begingroup
12396 \@twocolRTLfootfmt{#1}%
12397 \color@endgroup}%
12398 \m@mmf@prepare}
12399 \newcommand{\@mpTwoColRTLfootnotetext}[1]{%
12400 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12401 \global\setbox\@mpfootinsv@r\vbox{%
12402 \unvbox\@mpfootinsv@r
12403 \RTLtrue
12404 \def\baselinestretch{\m@m@footnote@spacing}%
12405 \reset@font\RTLfoottextfont
12406 \hsize\columnwidth \@parboxrestore
12407 \protected@edef\@currentlabel{%
12408 \csname p@mpfootnote\endcsname\@thefnmark}%
12409 \color@begingroup
12410 \@twocolRTLfootfmt{#1}%
12411 \color@endgroup}%
12412 \m@mmf@prepare}
12413 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
12414 \@namedef{@twocol@footgroup#1}{%
12415 \def\baselinestretch{\m@m@footnote@spacing}%
12416 \hsize\bidi@columnwidth
12417 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12418 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
12419 \newcommand{\bidi@make@twocol@LTRfootgroup}[1]{%
12420 \@namedef{@twocol@LTRfootgroup#1}{%
12421 \def\baselinestretch{\m@m@footnote@spacing}%
12422 \hsize\bidi@columnwidth
12423 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12424 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
12425 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
12426 \@namedef{@mptwocol@footgroup#1}{%
12427 \def\baselinestretch{\m@m@footnote@spacing}%
12428 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12429 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}%
12430 \newcommand{\bidi@make@mptwocol@LTRfootgroup}[1]{%
12431 \@namedef{@mptwocol@LTRfootgroup#1}{%
12432 \def\baselinestretch{\m@m@footnote@spacing}%
12433 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12434 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}%

```



```

12435 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
12436   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12437   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12438   \@bidi@before@Hy@hyperfootnotes
12439   \let\@footnotetext\@threecolfootnotetext
12440   \let\@LTRfootnotetext\@threecolLTRfootnotetext
12441   \let\@RTLfootnotetext\@threecolRTLfootnotetext
12442   \dimen\footinsv@r=3\footinsdim
12443   \count\footinsv@r=333\relax
12444   \m@make@threecol@footgroup{v@r}%
12445   \let\@footgroupv@r\@threecol@footgroupv@r
12446   \dimen\footinsv@l=3\footinsdim
12447   \count\footinsv@l=333\relax
12448   \bidi@make@threecol@LTRfootgroup{v@l}%
12449   \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12450   \let\@mpfootnotetext\@mpthreecolfootnotetext
12451   \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
12452   \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
12453   \@bidi@after@Hy@hyperfootnotes
12454   \m@make@mpthreecol@footgroup{v@r}%
12455   \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12456   \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12457   \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12458   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12459 }
12460 \newcommand{\ThreeColumnFootnotes}{%
12461   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12462   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12463   \@bidi@before@Hy@hyperfootnotes
12464   \let\@footnotetext\@ThreeColfootnotetext
12465   \let\@LTRfootnotetext\@ThreeColLTRfootnotetext
12466   \let\@RTLfootnotetext\@ThreeColRTLfootnotetext
12467   \dimen\footinsv@r=3\footinsdim
12468   \count\footinsv@r=333\relax
12469   \m@make@threecol@footgroup{v@r}%
12470   \let\@footgroupv@r\@threecol@footgroupv@r
12471   \dimen\footinsv@l=3\footinsdim
12472   \count\footinsv@l=333\relax
12473   \bidi@make@threecol@LTRfootgroup{v@l}%
12474   \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12475   \let\@mpfootnotetext\@mpThreeColfootnotetext
12476   \let\@mpLTRfootnotetext\@mpThreeColLTRfootnotetext
12477   \let\@mpRTLfootnotetext\@mpThreeColRTLfootnotetext
12478   \@bidi@after@Hy@hyperfootnotes
12479   \m@make@mpthreecol@footgroup{v@r}%
12480   \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12481   \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12482   \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12483   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12484 }
12485 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert
12486   \if@RTL@footnote
12487     \footinsv@r
12488   \else

```



```

12489 \footinsv@l
12490 \fi
12491 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12492 \def\baselinestretch{\m@m@footnote@spacing}%
12493 \reset@font\foottextfont
12494 \@preamfntext
12495 \protected@edef\@currentlabel{%
12496 \csname p@footnote\endcsname\@thefnmark}%
12497 \color@begingroup
12498 \@threecolfootfmt{#1}%
12499 \color@endgroup}\m@mmf@prepare}
12500 \newcommand{\@ThreeColfootnotetext}[1]{%
12501 \bidi@step@absolutefootnote@count
12502 \if@RTL@footnote
12503 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12504 \else
12505 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12506 \fi
12507 \global\setbox
12508 \if@RTL@footnote
12509 \footinsv@r
12510 \else
12511 \footinsv@l
12512 \fi
12513 \vbox{%
12514 \unvbox
12515 \if@RTL@footnote
12516 \footinsv@r
12517 \else
12518 \footinsv@l
12519 \fi
12520 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12521 \def\baselinestretch{\m@m@footnote@spacing}%
12522 \reset@font\foottextfont
12523 \@preamfntext
12524 \protected@edef\@currentlabel{%
12525 \csname p@footnote\endcsname\@thefnmark}%
12526 \color@begingroup
12527 \@threecolfootfmt{#1}%
12528 \color@endgroup}\m@mmf@prepare
12529 \if@RTL@footnote
12530 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12531 \else
12532 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12533 \fi
12534 }
12535 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12536 \def\baselinestretch{\m@m@footnote@spacing}%
12537 \reset@font\LTRfoottextfont
12538 \@preamfntext
12539 \protected@edef\@currentlabel{%
12540 \csname p@footnote\endcsname\@thefnmark}%
12541 \color@begingroup
12542 \@threecolLTRfootfmt{#1}%

```



```

12543 \color@endgroup}\m@mmf@prepare}
12544 \newcommand{\@ThreeColLTRfootnotetext}[1]{%
12545 \bidi@step@absolutefootnote@count
12546 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12547 \global\setbox\footinsv@l\vbox{%
12548 \unvbox\footinsv@l
12549 \RTLfalse
12550 \def\baselinestretch{\m@m@footnote@spacing}%
12551 \reset@font\LTRfoottextfont
12552 \@preamfntext
12553 \protected@edef\@currentlabel{%
12554 \csname p@footnote\endcsname\@thefnmark}%
12555 \color@begingroup
12556 \@threecolLTRfootfmt{#1}%
12557 \color@endgroup}\m@mmf@prepare
12558 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12559 }
12560 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12561 \def\baselinestretch{\m@m@footnote@spacing}%
12562 \reset@font\RTLfoottextfont
12563 \@preamfntext
12564 \protected@edef\@currentlabel{%
12565 \csname p@footnote\endcsname\@thefnmark}%
12566 \color@begingroup
12567 \@threecolRTLfootfmt{#1}%
12568 \color@endgroup}\m@mmf@prepare}
12569 \newcommand{\@ThreeColRTLfootnotetext}[1]{%
12570 \bidi@step@absolutefootnote@count
12571 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12572 \global\setbox\footinsv@r\vbox{%
12573 \unvbox\footinsv@r
12574 \RTLtrue
12575 \def\baselinestretch{\m@m@footnote@spacing}%
12576 \reset@font\RTLfoottextfont
12577 \@preamfntext
12578 \protected@edef\@currentlabel{%
12579 \csname p@footnote\endcsname\@thefnmark}%
12580 \color@begingroup
12581 \@threecolRTLfootfmt{#1}%
12582 \color@endgroup}\m@mmf@prepare
12583 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12584 }
12585 \bidi@ensure@newcommand{\@preamthreefmt}{%
12586 \hsize .3\hsize
12587 \parindent=\z@
12588 \tolerance=5000\relax
12589 \leavevmode}
12590 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
12591 \@preamthreefmt
12592 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12593 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
12594 \@preamthreefmt
12595 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12596 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%

```



```

12597 \@preamthreefmt
12598 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12599 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
12600   \global\setbox
12601     \if@RTL@footnote
12602       \@mpfootinsv@r
12603     \else
12604       \@mpfootinsv@l
12605     \fi
12606     \vbox{%
12607       \unvbox
12608       \if@RTL@footnote
12609         \@mpfootinsv@r
12610       \else
12611         \@mpfootinsv@l
12612       \fi
12613       \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12614       \def\baselinestretch{\m@m@footnote@spacing}%
12615       \reset@font\foottextfont
12616       \hsize\columnwidth \@parboxrestore
12617       \protected@edef\@currentlabel{%
12618         \csname p@mpfootnote\endcsname\@thefnmark}%
12619       \color@begingroup
12620         \@threecolfootfmt{#1}%
12621       \color@endgroup}\m@mmf@prepare}
12622 \newcommand{\@mpThreeColfootnotetext}[1]{%
12623   \if@RTL@footnote
12624     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12625   \else
12626     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12627   \fi
12628   \global\setbox
12629     \if@RTL@footnote
12630       \@mpfootinsv@r
12631     \else
12632       \@mpfootinsv@l
12633     \fi
12634     \vbox{%
12635       \unvbox
12636       \if@RTL@footnote
12637         \@mpfootinsv@r
12638       \else
12639         \@mpfootinsv@l
12640       \fi
12641       \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12642       \def\baselinestretch{\m@m@footnote@spacing}%
12643       \reset@font\foottextfont
12644       \hsize\columnwidth \@parboxrestore
12645       \protected@edef\@currentlabel{%
12646         \csname p@mpfootnote\endcsname\@thefnmark}%
12647       \color@begingroup
12648         \@threecolfootfmt{#1}%
12649       \color@endgroup}\m@mmf@prepare}
12650 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%

```



```

12651 \global\setbox\@mpfootinsv@l\vbox{%
12652 \unvbox\@mpfootinsv@l
12653 \RTLfalse
12654 \def\baselinestretch{\m@m@footnote@spacing}%
12655 \reset@font\LTRfoottextfont
12656 \hsize\columnwidth \@parboxrestore
12657 \protected@edef\@currentlabel{%
12658 \csname p@mpfootnote\endcsname\@thefnmark}%
12659 \color@begingroup
12660 \@threecolLTRfootfmt{#1}%
12661 \color@endgroup}\m@mmf@prepare}
12662 \newcommand{\@mpThreeColLTRfootnotetext}[1]{%
12663 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12664 \global\setbox\@mpfootinsv@l\vbox{%
12665 \unvbox\@mpfootinsv@l
12666 \RTLfalse
12667 \def\baselinestretch{\m@m@footnote@spacing}%
12668 \reset@font\LTRfoottextfont
12669 \hsize\columnwidth \@parboxrestore
12670 \protected@edef\@currentlabel{%
12671 \csname p@mpfootnote\endcsname\@thefnmark}%
12672 \color@begingroup
12673 \@threecolLTRfootfmt{#1}%
12674 \color@endgroup}\m@mmf@prepare}
12675 \bidi@ensure@newcommand{\@mpThreeColRTLfootnotetext}[1]{%
12676 \global\setbox\@mpfootinsv@r\vbox{%
12677 \unvbox\@mpfootinsv@r
12678 \RTLtrue
12679 \def\baselinestretch{\m@m@footnote@spacing}%
12680 \reset@font\RTLfoottextfont
12681 \hsize\columnwidth \@parboxrestore
12682 \protected@edef\@currentlabel{%
12683 \csname p@mpfootnote\endcsname\@thefnmark}%
12684 \color@begingroup
12685 \@threecolRTLfootfmt{#1}%
12686 \color@endgroup}\m@mmf@prepare}
12687 \newcommand{\@mpThreeColRTLfootnotetext}[1]{%
12688 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12689 \global\setbox\@mpfootinsv@r\vbox{%
12690 \unvbox\@mpfootinsv@r
12691 \RTLtrue
12692 \def\baselinestretch{\m@m@footnote@spacing}%
12693 \reset@font\RTLfoottextfont
12694 \hsize\columnwidth \@parboxrestore
12695 \protected@edef\@currentlabel{%
12696 \csname p@mpfootnote\endcsname\@thefnmark}%
12697 \color@begingroup
12698 \@threecolRTLfootfmt{#1}%
12699 \color@endgroup}\m@mmf@prepare}
12700 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
12701 \@namedef{\@threecol@footgroup#1}{%
12702 \def\baselinestretch{\m@m@footnote@spacing}%
12703 \hsize\bidi@columnwidth
12704 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

12705 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
12706 \newcommand{\bidi@make@threecol@LTRfootgroup}[1]{%
12707 \@namedef{threecol@LTRfootgroup#1}{%
12708 \def\baselinestretch{\m@m@footnote@spacing}%
12709 \hsize\bidi@columnwidth
12710 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12711 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
12712 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
12713 \@namedef{mpthreecol@footgroup#1}{%
12714 \def\baselinestretch{\m@m@footnote@spacing}%
12715 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12716 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
12717 \newcommand{\bidi@make@mpthreecol@LTRfootgroup}[1]{%
12718 \@namedef{mpthreecol@LTRfootgroup#1}{%
12719 \def\baselinestretch{\m@m@footnote@spacing}%
12720 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12721 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
12722 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
12723 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12724 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12725 \@bidi@before@Hy@hyperfootnotes
12726 \let\@footnotetext\@fourcolfootnotetext
12727 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
12728 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
12729 \dimen\footinsv@r=4\footinsdim
12730 \count\footinsv@r=250\relax
12731 \m@make@fourcol@footgroup{v@r}%
12732 \let\@footgroupv@r\@fourcol@footgroupv@r
12733 \dimen\footinsv@l=4\footinsdim
12734 \count\footinsv@l=250\relax
12735 \bidi@make@fourcol@LTRfootgroup{v@l}%
12736 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12737 \let\@mpfootnotetext\@mpfourcolfootnotetext
12738 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
12739 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
12740 \@bidi@after@Hy@hyperfootnotes
12741 \m@make@mpfourcol@footgroup{v@r}%
12742 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12743 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12744 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12745 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12746 }
12747 \newcommand{\FourColumnFootnotes}{%
12748 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12749 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12750 \@bidi@before@Hy@hyperfootnotes
12751 \let\@footnotetext\@FourColfootnotetext
12752 \let\@LTRfootnotetext\@FourColLTRfootnotetext
12753 \let\@RTLfootnotetext\@FourColRTLfootnotetext
12754 \dimen\footinsv@r=4\footinsdim
12755 \count\footinsv@r=250\relax
12756 \m@make@fourcol@footgroup{v@r}%
12757 \let\@footgroupv@r\@fourcol@footgroupv@r
12758 \dimen\footinsv@l=4\footinsdim

```



```

12759 \count\footinsv@l=250\relax
12760 \bidi@make@fourcol@LTRfootgroup{v@l}%
12761 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12762 \let\@mpfootnotetext\@mpFourColfootnotetext
12763 \let\@mpLTRfootnotetext\@mpFourColLTRfootnotetext
12764 \let\@mpRTLfootnotetext\@mpFourColRTLfootnotetext
12765 \@bidi@after@Hy@hyperfootnotes
12766 \m@make@mpfourcol@footgroup{v@r}%
12767 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12768 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12769 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12770 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12771 }
12772 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert
12773   \if@RTL@footnote
12774     \footinsv@r
12775   \else
12776     \footinsv@l
12777   \fi
12778 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12779 \def\baselinestretch{\m@m@footnote@spacing}%
12780 \reset@font\foottextfont
12781 \@preamfntext
12782 \protected@edef\@currentlabel{%
12783   \csname p@footnote\endcsname\@thefnmark}%
12784 \color@begingroup
12785   \@fourcolfootfmt{#1}%
12786 \color@endgroup}%
12787 \m@mmf@prepare}
12788 \newcommand{\@FourColfootnotetext}[1]{%
12789 \bidi@step@absolutefootnote@count
12790 \if@RTL@footnote
12791   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12792 \else
12793   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12794 \fi
12795 \global\setbox
12796 \if@RTL@footnote
12797   \footinsv@r
12798 \else
12799   \footinsv@l
12800 \fi
12801 \vbox{%
12802   \unvbox
12803   \if@RTL@footnote
12804     \footinsv@r
12805   \else
12806     \footinsv@l
12807   \fi
12808   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12809   \def\baselinestretch{\m@m@footnote@spacing}%
12810   \reset@font\foottextfont
12811   \@preamfntext
12812   \protected@edef\@currentlabel{%

```



```

12813 \csname p@footnote\endcsname\@thefnmark}%
12814 \color@begingroup
12815 \@fourcolfootfmt{#1}%
12816 \color@endgroup}%
12817 \m@mmf@prepare
12818 \ifRTL@footnote
12819 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12820 \else
12821 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12822 \fi
12823 }
12824 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12825 \def\baselinestretch{\m@m@footnote@spacing}%
12826 \reset@font\LTRfoottextfont
12827 \@preamfntext
12828 \protected@edef\@currentlabel{%
12829 \csname p@footnote\endcsname\@thefnmark}%
12830 \color@begingroup
12831 \@fourcolLTRfootfmt{#1}%
12832 \color@endgroup}%
12833 \m@mmf@prepare}
12834 \newcommand{\@FourColLTRfootnotetext}[1]{%
12835 \bidi@step@absolute@footnote@count
12836 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12837 \global\setbox\footinsv@l\vbox{%
12838 \unvbox\footinsv@l
12839 \@RTLfalse%
12840 \def\baselinestretch{\m@m@footnote@spacing}%
12841 \reset@font\LTRfoottextfont
12842 \@preamfntext
12843 \protected@edef\@currentlabel{%
12844 \csname p@footnote\endcsname\@thefnmark}%
12845 \color@begingroup
12846 \@fourcolLTRfootfmt{#1}%
12847 \color@endgroup}%
12848 \m@mmf@prepare
12849 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12850 }
12851 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12852 \def\baselinestretch{\m@m@footnote@spacing}%
12853 \reset@font\RTLfoottextfont
12854 \@preamfntext
12855 \protected@edef\@currentlabel{%
12856 \csname p@footnote\endcsname\@thefnmark}%
12857 \color@begingroup
12858 \@fourcolRTLfootfmt{#1}%
12859 \color@endgroup}%
12860 \m@mmf@prepare}
12861 \newcommand{\@FourColRTLfootnotetext}[1]{%
12862 \bidi@step@absolute@footnote@count
12863 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12864 \global\setbox\footinsv@r\vbox{%
12865 \unvbox\footinsv@r
12866 \@RTLtrue

```



```

12867 \def\baselinestretch{\m@m@footnote@spacing}%
12868 \reset@font\RTLfoottextfont
12869 \@preamfntext
12870 \protected@edef\@currentlabel{%
12871   \csname p@footnote\endcsname\@thefnmark}%
12872 \color@begingroup
12873   \@fourcolRTLfootfmt{#1}%
12874 \color@endgroup}%
12875 \m@mmf@prepare
12876 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12877 }
12878 \bidi@ensure@newcommand{\@preamfourfmt}{%
12879   \hsize .25\hsize
12880   \parindent=\z@
12881   \tolerance=5000\relax
12882   \leavevmode}
12883 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
12884   \@preamfourfmt
12885   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12886 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
12887   \@preamfourfmt
12888   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12889 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
12890   \@preamfourfmt
12891   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12892 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
12893   \global\setbox
12894     \if@RTL@footnote
12895     \@mpfootinsv@r
12896   \else
12897     \@mpfootinsv@l
12898   \fi
12899   \vbox{%
12900     \unvbox
12901     \if@RTL@footnote
12902     \@mpfootinsv@r
12903   \else
12904     \@mpfootinsv@l
12905   \fi
12906   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12907   \def\baselinestretch{\m@m@footnote@spacing}%
12908   \reset@font\foottextfont
12909   \hsize\columnwidth \@parboxrestore
12910   \protected@edef\@currentlabel{%
12911     \csname p@mpfootnote\endcsname\@thefnmark}%
12912   \color@begingroup
12913     \@fourcolfootfmt{#1}%
12914   \color@endgroup}%
12915   \m@mmf@prepare}
12916 \newcommand{\@mpFourColfootnotetext}[1]{%
12917   \if@RTL@footnote
12918     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12919   \else
12920     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r

```



```

12921 \fi
12922 \global\setbox
12923 \if@RTL@footnote
12924 \@mpfootinsv@r
12925 \else
12926 \@mpfootinsv@l
12927 \fi
12928 \vbox{%
12929 \unvbox
12930 \if@RTL@footnote
12931 \@mpfootinsv@r
12932 \else
12933 \@mpfootinsv@l
12934 \fi
12935 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12936 \def\baselinestretch{\m@m@footnote@spacing}%
12937 \reset@font\foottextfont
12938 \hsize\columnwidth \@parboxrestore
12939 \protected@edef\@currentlabel{%
12940 \csname p@mpfootnote\endcsname\@thefnmark}%
12941 \color@begingroup
12942 \@fourcolfootfmt{#1}%
12943 \color@endgroup}%
12944 \m@m@mmf@prepare}
12945 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
12946 \global\setbox\@mpfootinsv@l\vbox{%
12947 \unvbox\@mpfootinsv@l
12948 \@RTLfalse
12949 \def\baselinestretch{\m@m@footnote@spacing}%
12950 \reset@font\LTRfoottextfont
12951 \hsize\columnwidth \@parboxrestore
12952 \protected@edef\@currentlabel{%
12953 \csname p@mpfootnote\endcsname\@thefnmark}%
12954 \color@begingroup
12955 \@fourcolLTRfootfmt{#1}%
12956 \color@endgroup}%
12957 \m@m@mmf@prepare}
12958 \newcommand{\@mpFourColLTRfootnotetext}[1]{%
12959 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12960 \global\setbox\@mpfootinsv@l\vbox{%
12961 \unvbox\@mpfootinsv@l
12962 \@RTLfalse
12963 \def\baselinestretch{\m@m@footnote@spacing}%
12964 \reset@font\LTRfoottextfont
12965 \hsize\columnwidth \@parboxrestore
12966 \protected@edef\@currentlabel{%
12967 \csname p@mpfootnote\endcsname\@thefnmark}%
12968 \color@begingroup
12969 \@fourcolLTRfootfmt{#1}%
12970 \color@endgroup}%
12971 \m@m@mmf@prepare}
12972 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
12973 \global\setbox\@mpfootinsv@r\vbox{%
12974 \unvbox\@mpfootinsv@r

```



```

12975 \RTLtrue
12976 \def\baselinestretch{\m@m@footnote@spacing}%
12977 \reset@font\RTLfoottextfont
12978 \hsize\columnwidth \@parboxrestore
12979 \protected@edef\@currentlabel{%
12980 \csname p@mpfootnote\endcsname\@thefnmark}%
12981 \color@begingroup
12982 \@fourcolRTLfootfmt{#1}%
12983 \color@endgroup}%
12984 \m@mmf@prepare}
12985 \newcommand{\@mpFourColRTLfootnotetext}[1]{%
12986 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12987 \global\setbox\@mpfootinsv@r\vbox{%
12988 \unvbox\@mpfootinsv@r
12989 \RTLtrue
12990 \def\baselinestretch{\m@m@footnote@spacing}%
12991 \reset@font\RTLfoottextfont
12992 \hsize\columnwidth \@parboxrestore
12993 \protected@edef\@currentlabel{%
12994 \csname p@mpfootnote\endcsname\@thefnmark}%
12995 \color@begingroup
12996 \@fourcolRTLfootfmt{#1}%
12997 \color@endgroup}%
12998 \m@mmf@prepare}
12999 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
13000 \@namedef{@fourcol@footgroup#1}{%
13001 \def\baselinestretch{\m@m@footnote@spacing}%
13002 \hsize\bidi@columnwidth
13003 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13004 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
13005 \newcommand{\bidi@make@fourcol@LTRfootgroup}[1]{%
13006 \@namedef{@fourcol@LTRfootgroup#1}{%
13007 \def\baselinestretch{\m@m@footnote@spacing}%
13008 \hsize\bidi@columnwidth
13009 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13010 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
13011 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
13012 \@namedef{@mpfourcol@footgroup#1}{%
13013 \def\baselinestretch{\m@m@footnote@spacing}%
13014 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13015 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}%
13016 \newcommand{\bidi@make@mpfourcol@LTRfootgroup}[1]{%
13017 \@namedef{@mpfourcol@LTRfootgroup#1}{%
13018 \def\baselinestretch{\m@m@footnote@spacing}%
13019 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13020 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}%
13021 \bidi@ensure@newcommand{\@fivecolumnfootnotes}{%
13022 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13023 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13024 \@bidi@before@Hy@hyperfootnotes
13025 \let\@footnotetext\@fivecolfootnotetext
13026 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
13027 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
13028 \dimen\footinsv@r=5\footinsdim

```



```

13029 \count\footinsv@r=200\relax
13030 \m@make@fivecol@footgroup{v@r}%
13031 \let\@footgroupv@r\@fivecol@footgroupv@r
13032 \dimen\footinsv@l=5\footinsdim
13033 \count\footinsv@l=200\relax
13034 \bidi@make@fivecol@LTRfootgroup{v@l}%
13035 \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
13036 \let\@mpfootnotetext\@mpfivecolfootnotetext
13037 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
13038 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
13039 \@bidi@after@Hy@hyperfootnotes
13040 \m@make@mpfivecol@footgroup{v@r}%
13041 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
13042 \bidi@make@mpfivecol@LTRfootgroup{v@l}%
13043 \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
13044 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13045 }
13046 \newcommand{\FiveColumnFootnotes}{%
13047 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13048 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13049 \@bidi@before@Hy@hyperfootnotes
13050 \let\@footnotetext\@FiveColfootnotetext
13051 \let\@LTRfootnotetext\@FiveColLTRfootnotetext
13052 \let\@RTLfootnotetext\@FiveColRTLfootnotetext
13053 \dimen\footinsv@r=5\footinsdim
13054 \count\footinsv@r=200\relax
13055 \m@make@fivecol@footgroup{v@r}%
13056 \let\@footgroupv@r\@fivecol@footgroupv@r
13057 \dimen\footinsv@l=5\footinsdim
13058 \count\footinsv@l=200\relax
13059 \bidi@make@fivecol@LTRfootgroup{v@l}%
13060 \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
13061 \let\@mpfootnotetext\@mpFiveColfootnotetext
13062 \let\@mpLTRfootnotetext\@mpFiveColLTRfootnotetext
13063 \let\@mpRTLfootnotetext\@mpFiveColRTLfootnotetext
13064 \@bidi@after@Hy@hyperfootnotes
13065 \m@make@mpfivecol@footgroup{v@r}%
13066 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
13067 \bidi@make@mpfivecol@LTRfootgroup{v@l}%
13068 \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
13069 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13070 }
13071 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert
13072 \if@RTL@footnote
13073 \footinsv@r
13074 \else
13075 \footinsv@l
13076 \fi
13077 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13078 \def\baselinestretch{\m@m@footnote@spacing}%
13079 \reset@font\foottextfont
13080 \@preamfntext
13081 \protected@edef\@currentlabel{%
13082 \csname p@footnote\endcsname\@thefnmark}%

```



```

13083 \color@begingroup
13084 \@fivecolfootfmt{#1}%
13085 \color@endgroup}%
13086 \m@mmf@prepare}
13087 \newcommand{\@FiveColfootnotetext}[1]{%
13088 \bidi@step@absolutefootnote@count
13089 \if@RTL@footnote
13090 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13091 \else
13092 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13093 \fi
13094 \global\setbox
13095 \if@RTL@footnote
13096 \footinsv@r
13097 \else
13098 \footinsv@l
13099 \fi
13100 \vbox{%
13101 \unvbox
13102 \if@RTL@footnote
13103 \footinsv@r
13104 \else
13105 \footinsv@l
13106 \fi
13107 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13108 \def\baselinestretch{\m@m@footnote@spacing}%
13109 \reset@font\foottextfont
13110 \@preamfntext
13111 \protected@edef\@currentlabel{%
13112 \csname p@footnote\endcsname\@thefnmark}%
13113 \color@begingroup
13114 \@fivecolfootfmt{#1}%
13115 \color@endgroup}%
13116 \m@mmf@prepare
13117 \if@RTL@footnote
13118 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13119 \else
13120 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13121 \fi
13122 }
13123 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13124 \def\baselinestretch{\m@m@footnote@spacing}%
13125 \reset@font\LTRfoottextfont
13126 \@preamfntext
13127 \protected@edef\@currentlabel{%
13128 \csname p@footnote\endcsname\@thefnmark}%
13129 \color@begingroup
13130 \@fivecolLTRfootfmt{#1}%
13131 \color@endgroup}%
13132 \m@mmf@prepare}
13133 \newcommand{\@FiveColLTRfootnotetext}[1]{%
13134 \bidi@step@absolutefootnote@count
13135 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13136 \global\setbox\footinsv@l\vbox{%

```



```

13137 \unvbox\footinsv@l
13138 \@RTLfalse
13139 \def\baselinestretch{\m@m@footnote@spacing}%
13140 \reset@font\LTRfoottextfont
13141 \@preamfntext
13142 \protected@edef\@currentlabel{%
13143   \csname p@footnote\endcsname\@thefnmark}%
13144 \color@begingroup
13145   \@fivecolLTRfootfmt{#1}%
13146 \color@endgroup}%
13147 \m@mmf@prepare
13148 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13149 }
13150 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13151   \def\baselinestretch{\m@m@footnote@spacing}%
13152   \reset@font\RTLfoottextfont
13153   \@preamfntext
13154   \protected@edef\@currentlabel{%
13155     \csname p@footnote\endcsname\@thefnmark}%
13156   \color@begingroup
13157     \@fivecolRTLfootfmt{#1}%
13158   \color@endgroup}%
13159   \m@mmf@prepare}
13160 \newcommand{\@FiveColRTLfootnotetext}[1]{%
13161   \bidi@step@absolutefootnote@count
13162   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13163   \global\setbox\footinsv@r\vbox{%
13164     \unvbox\footinsv@r
13165     \@RTLtrue
13166     \def\baselinestretch{\m@m@footnote@spacing}%
13167     \reset@font\RTLfoottextfont
13168     \@preamfntext
13169     \protected@edef\@currentlabel{%
13170       \csname p@footnote\endcsname\@thefnmark}%
13171     \color@begingroup
13172       \@fivecolRTLfootfmt{#1}%
13173     \color@endgroup}%
13174     \m@mmf@prepare
13175     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13176 }
13177 \bidi@ensure@newcommand{\@preamfivefmt}{%
13178   \hsize .2\hsize
13179   \parindent=\z@
13180   \tolerance=5000\relax
13181   \leavevmode}
13182 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
13183   \@preamfivefmt
13184   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13185 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
13186   \@preamfivefmt
13187   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13188 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
13189   \@preamfivefmt
13190   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}

```



```

13191 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
13192   \global\setbox
13193   \if@RTL@footnote
13194   \@mpfootinsv@r
13195   \else
13196   \@mpfootinsv@l
13197   \fi
13198   \vbox{%
13199     \unvbox
13200     \if@RTL@footnote
13201     \@mpfootinsv@r
13202     \else
13203     \@mpfootinsv@l
13204     \fi
13205     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13206     \def\baselinestretch{\m@m@footnote@spacing}%
13207     \reset@font\foottextfont
13208     \hsize\columnwidth \@parboxrestore
13209     \protected@edef\@currentlabel{%
13210       \csname p@mpfootnote\endcsname\@thefnmark}%
13211     \color@begingroup
13212     \@fivecolfootfmt{#1}%
13213     \color@endgroup}%
13214     \m@mmf@prepare}
13215 \newcommand{\@mpFiveColfootnotetext}[1]{%
13216   \if@RTL@footnote
13217   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13218   \else
13219   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13220   \fi
13221   \global\setbox
13222   \if@RTL@footnote
13223   \@mpfootinsv@r
13224   \else
13225   \@mpfootinsv@l
13226   \fi
13227   \vbox{%
13228     \unvbox
13229     \if@RTL@footnote
13230     \@mpfootinsv@r
13231     \else
13232     \@mpfootinsv@l
13233     \fi
13234     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13235     \def\baselinestretch{\m@m@footnote@spacing}%
13236     \reset@font\foottextfont
13237     \hsize\columnwidth \@parboxrestore
13238     \protected@edef\@currentlabel{%
13239       \csname p@mpfootnote\endcsname\@thefnmark}%
13240     \color@begingroup
13241     \@fivecolfootfmt{#1}%
13242     \color@endgroup}%
13243     \m@mmf@prepare}
13244 \bidi@ensure@newcommand{\@mpfivecollTRfootnotetext}[1]{%

```



```

13245 \global\setbox\@mpfootinsv@l\vbox{%
13246 \unvbox\@mpfootinsv@l
13247 \@RTLfalse
13248 \def\baselinestretch{\m@m@footnote@spacing}%
13249 \reset@font\LTRfoottextfont
13250 \hsize\columnwidth \@parboxrestore
13251 \protected@edef\@currentlabel{%
13252 \csname p@mpfootnote\endcsname\@thefnmark}%
13253 \color@begingroup
13254 \@fivecolLTRfootfmt{#1}%
13255 \color@endgroup}%
13256 \m@mmf@prepare}
13257 \newcommand{\@mpFiveColLTRfootnotetext}[1]{%
13258 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13259 \global\setbox\@mpfootinsv@l\vbox{%
13260 \unvbox\@mpfootinsv@l
13261 \@RTLfalse
13262 \def\baselinestretch{\m@m@footnote@spacing}%
13263 \reset@font\LTRfoottextfont
13264 \hsize\columnwidth \@parboxrestore
13265 \protected@edef\@currentlabel{%
13266 \csname p@mpfootnote\endcsname\@thefnmark}%
13267 \color@begingroup
13268 \@fivecolLTRfootfmt{#1}%
13269 \color@endgroup}%
13270 \m@mmf@prepare}
13271 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
13272 \global\setbox\@mpfootinsv@r\vbox{%
13273 \unvbox\@mpfootinsv@r
13274 \@RTLtrue
13275 \def\baselinestretch{\m@m@footnote@spacing}%
13276 \reset@font\RTLfoottextfont
13277 \hsize\columnwidth \@parboxrestore
13278 \protected@edef\@currentlabel{%
13279 \csname p@mpfootnote\endcsname\@thefnmark}%
13280 \color@begingroup
13281 \@fivecolRTLfootfmt{#1}%
13282 \color@endgroup}%
13283 \m@mmf@prepare}
13284 \newcommand{\@mpFiveColRTLfootnotetext}[1]{%
13285 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13286 \global\setbox\@mpfootinsv@r\vbox{%
13287 \unvbox\@mpfootinsv@r
13288 \@RTLtrue
13289 \def\baselinestretch{\m@m@footnote@spacing}%
13290 \reset@font\RTLfoottextfont
13291 \hsize\columnwidth \@parboxrestore
13292 \protected@edef\@currentlabel{%
13293 \csname p@mpfootnote\endcsname\@thefnmark}%
13294 \color@begingroup
13295 \@fivecolRTLfootfmt{#1}%
13296 \color@endgroup}%
13297 \m@mmf@prepare}
13298 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%

```



```

13299 \@namedef{@fivecol@footgroup#1}{%
13300 \def\baselinestretch{\m@m@footnote@spacing}%
13301 \hsize\bi@columnwidth
13302 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13303 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}
13304 \newcommand{\bi@make@fivecol@LTRfootgroup}[1]{%
13305 \@namedef{@fivecol@LTRfootgroup#1}{%
13306 \def\baselinestretch{\m@m@footnote@spacing}%
13307 \hsize\bi@columnwidth
13308 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13309 \bi@LTRrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}
13310 \bi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
13311 \@namedef{@mpfivecol@footgroup#1}{%
13312 \def\baselinestretch{\m@m@footnote@spacing}%
13313 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13314 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}
13315 \newcommand{\bi@make@mpfivecol@LTRfootgroup}[1]{%
13316 \@namedef{@mpfivecol@LTRfootgroup#1}{%
13317 \def\baselinestretch{\m@m@footnote@spacing}%
13318 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13319 \bi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}
13320 \bi@ensure@newcommand{\sixcolumnfootnotes}{%
13321 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13322 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13323 \@bidi@before@Hy@hyperfootnotes
13324 \let\@footnotetext\@sixcolfootnotetext
13325 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
13326 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
13327 \dimen\footinsv@r=6\footinsdim
13328 \count\footinsv@r=166\relax
13329 \m@make@sixcol@footgroup{v@r}%
13330 \let\@footgroupv@r\@sixcol@footgroupv@r
13331 \dimen\footinsv@l=6\footinsdim
13332 \count\footinsv@l=166\relax
13333 \bi@make@sixcol@LTRfootgroup{v@l}%
13334 \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13335 \let\@mpfootnotetext\@mpsixcolfootnotetext
13336 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
13337 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
13338 \@bidi@after@Hy@hyperfootnotes
13339 \m@make@mpsixcol@footgroup{v@r}%
13340 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13341 \bi@make@mpsixcol@LTRfootgroup{v@l}%
13342 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13343 \@ifstar\bi@star@footmarkwidth\bi@normal@footmarkwidth
13344 }
13345 \newcommand{\SixColumnFootnotes}{%
13346 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13347 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13348 \@bidi@before@Hy@hyperfootnotes
13349 \let\@footnotetext\@SixColfootnotetext
13350 \let\@LTRfootnotetext\@SixColLTRfootnotetext
13351 \let\@RTLfootnotetext\@SixColRTLfootnotetext
13352 \dimen\footinsv@r=6\footinsdim

```



```

13353 \count\footinsv@r=166\relax
13354 \m@make@sixcol@footgroup{v@r}%
13355 \let\@footgroupv@r\@sixcol@footgroupv@r
13356 \dimen\footinsv@l=6\footinsdim
13357 \count\footinsv@l=166\relax
13358 \bidi@make@sixcol@LTRfootgroup{v@l}%
13359 \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13360 \let\@mpfootnotetext\@mpSixColfootnotetext
13361 \let\@mpLTRfootnotetext\@mpSixColLTRfootnotetext
13362 \let\@mpRTLfootnotetext\@mpSixColRTLfootnotetext
13363 \@bidi@after@Hy@hyperfootnotes
13364 \m@make@mpsixcol@footgroup{v@r}%
13365 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13366 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13367 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13368 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13369 }
13370 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert
13371 \if@RTL@footnote
13372 \footinsv@r
13373 \else
13374 \footinsv@l
13375 \fi
13376 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13377 \def\baselinestretch{\m@mm@footnote@spacing}%
13378 \reset@font\foottextfont
13379 \@preamfntext
13380 \protected@edef\@currentlabel{%
13381 \csname p@footnote\endcsname\@thefnmark}%
13382 \color@begingroup
13383 \@sixcolfootfmt{#1}%
13384 \color@endgroup}%
13385 \m@mmf@prepare}
13386 \newcommand{\@SixColfootnotetext}[1]{%
13387 \bidi@step@absolutefootnote@count
13388 \if@RTL@footnote
13389 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13390 \else
13391 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13392 \fi
13393 \global\setbox
13394 \if@RTL@footnote
13395 \footinsv@r
13396 \else
13397 \footinsv@l
13398 \fi
13399 \vbox{%
13400 \unvbox
13401 \if@RTL@footnote
13402 \footinsv@r
13403 \else
13404 \footinsv@l
13405 \fi
13406 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%

```



```

13407 \def\baselinestretch{\m@m@footnote@spacing}%
13408 \reset@font\foottextfont
13409 \@preamfntext
13410 \protected@edef\@currentlabel{%
13411   \csname p@footnote\endcsname\@thefnmark}%
13412 \color@begingroup
13413   \@sixcolfootfmt{#1}%
13414 \color@endgroup}%
13415 \m@mmf@prepare
13416 \ifRTL@footnote
13417   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13418 \else
13419   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13420 \fi
13421 }
13422 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13423 \def\baselinestretch{\m@m@footnote@spacing}%
13424 \reset@font\LTRfoottextfont
13425 \@preamfntext
13426 \protected@edef\@currentlabel{%
13427   \csname p@footnote\endcsname\@thefnmark}%
13428 \color@begingroup
13429   \@sixcolLTRfootfmt{#1}%
13430 \color@endgroup}%
13431 \m@mmf@prepare}
13432 \newcommand{\@SixColLTRfootnotetext}[1]{%
13433 \bidi@step@absolutefootnote@count
13434 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13435 \global\setbox\footinsv@l\vbox{%
13436 \unvbox\footinsv@l
13437 \@RTLfalse
13438 \def\baselinestretch{\m@m@footnote@spacing}%
13439 \reset@font\LTRfoottextfont
13440 \@preamfntext
13441 \protected@edef\@currentlabel{%
13442   \csname p@footnote\endcsname\@thefnmark}%
13443 \color@begingroup
13444   \@sixcolLTRfootfmt{#1}%
13445 \color@endgroup}%
13446 \m@mmf@prepare
13447 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13448 }
13449 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13450 \def\baselinestretch{\m@m@footnote@spacing}%
13451 \reset@font\RTLfoottextfont
13452 \@preamfntext
13453 \protected@edef\@currentlabel{%
13454   \csname p@footnote\endcsname\@thefnmark}%
13455 \color@begingroup
13456   \@sixcolRTLfootfmt{#1}%
13457 \color@endgroup}%
13458 \m@mmf@prepare}
13459 \newcommand{\@SixColRTLfootnotetext}[1]{%
13460 \bidi@step@absolutefootnote@count

```



```

13461 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13462 \global\setbox\footinsv@r\vbox{%
13463 \unvbox\footinsv@r
13464 \@RTLtrue
13465 \def\baselinestretch{\m@m@footnote@spacing}%
13466 \reset@font\RTLfoottextfont
13467 \@preamfntext
13468 \protected@edef\@currentlabel{%
13469 \csname p@footnote\endcsname\@thefnmark}%
13470 \color@begingroup
13471 \@sixcolRTLfootfmt{#1}%
13472 \color@endgroup}%
13473 \m@mmf@prepare
13474 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13475 }
13476 \bidi@ensure@newcommand{\@preamsixfmt}{%
13477 \hsize .16\hsize
13478 \parindent=\z@
13479 \tolerance=5000\relax
13480 \leavevmode}
13481 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
13482 \@preamsixfmt
13483 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13484 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
13485 \@preamsixfmt
13486 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13487 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
13488 \@preamsixfmt
13489 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13490 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{%
13491 \global\setbox
13492 \if@RTL@footnote
13493 \@mpfootinsv@r
13494 \else
13495 \@mpfootinsv@l
13496 \fi
13497 \vbox{%
13498 \unvbox
13499 \if@RTL@footnote
13500 \@mpfootinsv@r
13501 \else
13502 \@mpfootinsv@l
13503 \fi
13504 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13505 \def\baselinestretch{\m@m@footnote@spacing}%
13506 \reset@font\foottextfont
13507 \hsize\columnwidth \@parboxrestore
13508 \protected@edef\@currentlabel{%
13509 \csname p@mpfootnote\endcsname\@thefnmark}%
13510 \color@begingroup
13511 \@sixcolfootfmt{#1}%
13512 \color@endgroup}%
13513 \m@mmf@prepare}
13514 \newcommand{\@mpSixColfootnotetext}[1]{%

```



```

13515 \if@RTL@footnote
13516 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13517 \else
13518 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13519 \fi
13520 \global\setbox
13521 \if@RTL@footnote
13522 \@mpfootinsv@r
13523 \else
13524 \@mpfootinsv@l
13525 \fi
13526 \vbox{%
13527 \unvbox
13528 \if@RTL@footnote
13529 \@mpfootinsv@r
13530 \else
13531 \@mpfootinsv@l
13532 \fi
13533 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13534 \def\baselinestretch{\m@m@footnote@spacing}%
13535 \reset@font\foottextfont
13536 \hsize\columnwidth \@parboxrestore
13537 \protected@edef\@currentlabel{%
13538 \csname p@mpfootnote\endcsname\@thefnmark}%
13539 \color@begingroup
13540 \@sixcolfootfmt{#1}%
13541 \color@endgroup}%
13542 \m@m@prepare}
13543 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{%
13544 \global\setbox\@mpfootinsv@l\vbox{%
13545 \unvbox\@mpfootinsv@l
13546 \@RTLfalse
13547 \def\baselinestretch{\m@m@footnote@spacing}%
13548 \reset@font\LTRfoottextfont
13549 \hsize\columnwidth \@parboxrestore
13550 \protected@edef\@currentlabel{%
13551 \csname p@mpfootnote\endcsname\@thefnmark}%
13552 \color@begingroup
13553 \@sixcolLTRfootfmt{#1}%
13554 \color@endgroup}%
13555 \m@m@prepare}
13556 \newcommand{\@mpSixColLTRfootnotetext}[1]{%
13557 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13558 \global\setbox\@mpfootinsv@l\vbox{%
13559 \unvbox\@mpfootinsv@l
13560 \@RTLfalse
13561 \def\baselinestretch{\m@m@footnote@spacing}%
13562 \reset@font\LTRfoottextfont
13563 \hsize\columnwidth \@parboxrestore
13564 \protected@edef\@currentlabel{%
13565 \csname p@mpfootnote\endcsname\@thefnmark}%
13566 \color@begingroup
13567 \@sixcolLTRfootfmt{#1}%
13568 \color@endgroup}%

```



```

13569 \m@mmf@prepare}
13570 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{%
13571 \global\setbox\@mpfootinsv@r\vbox{%
13572 \unvbox\@mpfootinsv@r
13573 \@RTLtrue
13574 \def\baselinestretch{\m@m@footnote@spacing}%
13575 \reset@font\RTLfoottextfont
13576 \hsize\columnwidth \@parboxrestore
13577 \protected@edef\@currentlabel{%
13578 \csname p@mpfootnote\endcsname\@thefnmark}%
13579 \color@begingroup
13580 \@sixcolRTLfootfmt{#1}%
13581 \color@endgroup}%
13582 \m@mmf@prepare}
13583 \newcommand{\@mpSixColRTLfootnotetext}[1]{%
13584 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13585 \global\setbox\@mpfootinsv@r\vbox{%
13586 \unvbox\@mpfootinsv@r
13587 \@RTLtrue
13588 \def\baselinestretch{\m@m@footnote@spacing}%
13589 \reset@font\RTLfoottextfont
13590 \hsize\columnwidth \@parboxrestore
13591 \protected@edef\@currentlabel{%
13592 \csname p@mpfootnote\endcsname\@thefnmark}%
13593 \color@begingroup
13594 \@sixcolRTLfootfmt{#1}%
13595 \color@endgroup}%
13596 \m@mmf@prepare}
13597 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
13598 \@namedef{@sixcol@footgroup#1}{%
13599 \def\baselinestretch{\m@m@footnote@spacing}%
13600 \hsize\bidi@columnwidth
13601 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13602 \m@mrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
13603 \newcommand{\bidi@make@sixcol@LTRfootgroup}[1]{%
13604 \@namedef{@sixcol@LTRfootgroup#1}{%
13605 \def\baselinestretch{\m@m@footnote@spacing}%
13606 \hsize\bidi@columnwidth
13607 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13608 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
13609 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
13610 \@namedef{@mpsixcol@footgroup#1}{%
13611 \def\baselinestretch{\m@m@footnote@spacing}%
13612 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13613 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{6}{\splittopskip}}}%
13614 \newcommand{\bidi@make@mpsixcol@LTRfootgroup}[1]{%
13615 \@namedef{@mpsixcol@LTRfootgroup#1}{%
13616 \def\baselinestretch{\m@m@footnote@spacing}%
13617 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13618 \bidi@LTRrigidbalance{\@nameuse{\@mpfootins#1}}{6}{\splittopskip}}}%
13619 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
13620 \@namedef{foottextfontv@r}{\foottextfont}% \ [RS]
13621 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13622 \@bidi@before@Hy@hyperfootnotes

```



```

13623 \let\@footnotetext\@sevendcolfootnotetext
13624 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
13625 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
13626 \dimen\footinsv@r=7\footinsdim
13627 \count\footinsv@r=142\relax
13628 \m@make@sevendcol@footgroup{v@r}%
13629 \let\@footgroupv@r\@sevendcol@footgroupv@r
13630 \dimen\footinsv@l=7\footinsdim
13631 \count\footinsv@l=142\relax
13632 \bidi@make@sevendcol@LTRfootgroup{v@l}%
13633 \let\@LTRfootgroupv@l\@sevendcol@LTRfootgroupv@l
13634 \let\@mpfootnotetext\@mpsevendcolfootnotetext
13635 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
13636 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
13637 \@bidi@after@Hy@hyperfootnotes
13638 \m@make@mpsevendcol@footgroup{v@r}%
13639 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
13640 \bidi@make@mpsevendcol@LTRfootgroup{v@l}%
13641 \let\mp@LTRfootgroupv@l\@mpsevendcol@LTRfootgroupv@l
13642 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13643 }
13644 \newcommand{\SevenColumnFootnotes}{%
13645 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13646 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13647 \@bidi@before@Hy@hyperfootnotes
13648 \let\@footnotetext\@SevenColfootnotetext
13649 \let\@LTRfootnotetext\@SevenColLTRfootnotetext
13650 \let\@RTLfootnotetext\@SevenColRTLfootnotetext
13651 \dimen\footinsv@r=7\footinsdim
13652 \count\footinsv@r=142\relax
13653 \m@make@sevendcol@footgroup{v@r}%
13654 \let\@footgroupv@r\@sevendcol@footgroupv@r
13655 \dimen\footinsv@l=7\footinsdim
13656 \count\footinsv@l=142\relax
13657 \bidi@make@sevendcol@LTRfootgroup{v@l}%
13658 \let\@LTRfootgroupv@l\@sevendcol@LTRfootgroupv@l
13659 \let\@mpfootnotetext\@mpSevenColfootnotetext
13660 \let\@mpLTRfootnotetext\@mpSevenColLTRfootnotetext
13661 \let\@mpRTLfootnotetext\@mpSevenColRTLfootnotetext
13662 \@bidi@after@Hy@hyperfootnotes
13663 \m@make@mpsevendcol@footgroup{v@r}%
13664 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
13665 \bidi@make@mpsevendcol@LTRfootgroup{v@l}%
13666 \let\mp@LTRfootgroupv@l\@mpsevendcol@LTRfootgroupv@l
13667 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13668 }
13669 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert
13670 \if@RTL@footnote
13671 \footinsv@r
13672 \else
13673 \footinsv@l
13674 \fi
13675 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13676 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

13677 \reset@font\foottextfont
13678 \@preamfntext
13679 \protected@edef\@currentlabel{%
13680 \csname p@footnote\endcsname\@thefnmark}%
13681 \color@begingroup
13682 \@sevenscolfootfmt{#1}%
13683 \color@endgroup}%
13684 \m@mmf@prepare}
13685 \newcommand{\@SevenColfootnotetext}[1]{%
13686 \bidi@step@absolute@footnote@count
13687 \if@RTL@footnote
13688 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13689 \else
13690 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13691 \fi
13692 \global\setbox
13693 \if@RTL@footnote
13694 \footinsv@r
13695 \else
13696 \footinsv@l
13697 \fi
13698 \vbox{%
13699 \unvbox
13700 \if@RTL@footnote
13701 \footinsv@r
13702 \else
13703 \footinsv@l
13704 \fi
13705 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13706 \def\baselinestretch{\m@mm@footnote@spacing}%
13707 \reset@font\foottextfont
13708 \@preamfntext
13709 \protected@edef\@currentlabel{%
13710 \csname p@footnote\endcsname\@thefnmark}%
13711 \color@begingroup
13712 \@sevenscolfootfmt{#1}%
13713 \color@endgroup}%
13714 \m@mmf@prepare
13715 \if@RTL@footnote
13716 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13717 \else
13718 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13719 \fi
13720 }
13721 \bidi@ensure@newcommand{\@sevenscolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13722 \def\baselinestretch{\m@mm@footnote@spacing}%
13723 \reset@font\LTRfoottextfont
13724 \@preamfntext
13725 \protected@edef\@currentlabel{%
13726 \csname p@footnote\endcsname\@thefnmark}%
13727 \color@begingroup
13728 \@sevenscolLTRfootfmt{#1}%
13729 \color@endgroup}%
13730 \m@mmf@prepare}

```



```

13731 \newcommand{\@SevenColLTRfootnotetext}[1]{%
13732   \bidi@step@absolutefootnote@count
13733   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13734   \global\setbox\footinsv@l\vbox{%
13735     \unvbox\footinsv@l
13736     \RTLfalse
13737     \def\baselinestretch{\m@m@footnote@spacing}%
13738     \reset@font\LTRfoottextfont
13739     \@preamfntext
13740     \protected@edef\@currentlabel{%
13741       \csname p@footnote\endcsname\@thefnmark}%
13742     \color@begingroup
13743       \@sevendcolLTRfootfmt{#1}%
13744     \color@endgroup}%
13745     \m@mmf@prepare
13746     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13747   }
13748 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13749   \def\baselinestretch{\m@m@footnote@spacing}%
13750   \reset@font\RTLfoottextfont
13751   \@preamfntext
13752   \protected@edef\@currentlabel{%
13753     \csname p@footnote\endcsname\@thefnmark}%
13754   \color@begingroup
13755     \@sevendcolRTLfootfmt{#1}%
13756   \color@endgroup}%
13757   \m@mmf@prepare}
13758 \newcommand{\@SevenColRTLfootnotetext}[1]{%
13759   \bidi@step@absolutefootnote@count
13760   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13761   \global\setbox\footinsv@r\vbox{%
13762     \unvbox\footinsv@r
13763     \RTLtrue
13764     \def\baselinestretch{\m@m@footnote@spacing}%
13765     \reset@font\RTLfoottextfont
13766     \@preamfntext
13767     \protected@edef\@currentlabel{%
13768       \csname p@footnote\endcsname\@thefnmark}%
13769     \color@begingroup
13770       \@sevendcolRTLfootfmt{#1}%
13771     \color@endgroup}%
13772     \m@mmf@prepare
13773     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13774   }
13775 \bidi@ensure@newcommand{\@preamsevenfmt}{%
13776   \hsize .142\hsize
13777   \parindent=\z@
13778   \tolerance=5000\relax
13779   \leavevmode}
13780 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
13781   \@preamsevenfmt
13782   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13783 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
13784   \@preamsevenfmt

```



```

13785 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13786 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
13787   \@preamsevenfmt
13788   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13789 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{%
13790   \global\setbox
13791     \if@RTL@footnote
13792     \@mpfootinsv@r
13793   \else
13794     \@mpfootinsv@l
13795   \fi
13796   \vbox{%
13797     \unvbox
13798     \if@RTL@footnote
13799     \@mpfootinsv@r
13800   \else
13801     \@mpfootinsv@l
13802   \fi
13803   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13804   \def\baselinestretch{\m@m@footnote@spacing}%
13805   \reset@font\foottextfont
13806   \hsize\columnwidth \@parboxrestore
13807   \protected@edef\@currentlabel{%
13808     \csname p@mpfootnote\endcsname\@thefnmark}%
13809   \color@begingroup
13810     \@sevendcolfootfmt{#1}%
13811   \color@endgroup}%
13812   \m@m@mmf@prepare}
13813 \newcommand{\@mpSevenColfootnotetext}[1]{%
13814   \if@RTL@footnote
13815     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13816   \else
13817     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13818   \fi
13819   \global\setbox
13820     \if@RTL@footnote
13821     \@mpfootinsv@r
13822   \else
13823     \@mpfootinsv@l
13824   \fi
13825   \vbox{%
13826     \unvbox
13827     \if@RTL@footnote
13828     \@mpfootinsv@r
13829   \else
13830     \@mpfootinsv@l
13831   \fi
13832   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13833   \def\baselinestretch{\m@m@footnote@spacing}%
13834   \reset@font\foottextfont
13835   \hsize\columnwidth \@parboxrestore
13836   \protected@edef\@currentlabel{%
13837     \csname p@mpfootnote\endcsname\@thefnmark}%
13838   \color@begingroup

```



```

13839 \sevendcolfootfmt{#1}%
13840 \color@endgroup}%
13841 \m@mmf@prepare}
13842 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{%
13843 \global\setbox\@mpfootinsv@l\vbox{%
13844 \unvbox\@mpfootinsv@l
13845 \@RTLfalse
13846 \def\baselinestretch{\m@m@footnote@spacing}%
13847 \reset@font\LTRfoottextfont
13848 \hsize\columnwidth \@parboxrestore
13849 \protected@edef\@currentlabel{%
13850 \csname p@mpfootnote\endcsname\@thefnmark}%
13851 \color@begingroup
13852 \sevendcolLTRfootfmt{#1}%
13853 \color@endgroup}%
13854 \m@mmf@prepare}
13855 \newcommand{\@mpSevenColLTRfootnotetext}[1]{%
13856 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13857 \global\setbox\@mpfootinsv@l\vbox{%
13858 \unvbox\@mpfootinsv@l
13859 \@RTLfalse
13860 \def\baselinestretch{\m@m@footnote@spacing}%
13861 \reset@font\LTRfoottextfont
13862 \hsize\columnwidth \@parboxrestore
13863 \protected@edef\@currentlabel{%
13864 \csname p@mpfootnote\endcsname\@thefnmark}%
13865 \color@begingroup
13866 \sevendcolLTRfootfmt{#1}%
13867 \color@endgroup}%
13868 \m@mmf@prepare}
13869 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{%
13870 \global\setbox\@mpfootinsv@r\vbox{%
13871 \unvbox\@mpfootinsv@r
13872 \@RTLtrue
13873 \def\baselinestretch{\m@m@footnote@spacing}%
13874 \reset@font\RTLfoottextfont
13875 \hsize\columnwidth \@parboxrestore
13876 \protected@edef\@currentlabel{%
13877 \csname p@mpfootnote\endcsname\@thefnmark}%
13878 \color@begingroup
13879 \sevendcolRTLfootfmt{#1}%
13880 \color@endgroup}%
13881 \m@mmf@prepare}
13882 \newcommand{\@mpSevenColRTLfootnotetext}[1]{%
13883 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13884 \global\setbox\@mpfootinsv@r\vbox{%
13885 \unvbox\@mpfootinsv@r
13886 \@RTLtrue
13887 \def\baselinestretch{\m@m@footnote@spacing}%
13888 \reset@font\RTLfoottextfont
13889 \hsize\columnwidth \@parboxrestore
13890 \protected@edef\@currentlabel{%
13891 \csname p@mpfootnote\endcsname\@thefnmark}%
13892 \color@begingroup

```



```

13893 \sevenscolRTLfootfmt{#1}%
13894 \color@endgroup}%
13895 \m@mmf@prepare}
13896 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
13897 \namedef{@sevenscol@footgroup#1}{%
13898 \def\baselinestretch{\m@m@footnote@spacing}%
13899 \hsize\bidi@columnwidth
13900 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13901 \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
13902 \newcommand{\bidi@make@sevenscol@LTRfootgroup}[1]{%
13903 \namedef{@sevenscol@LTRfootgroup#1}{%
13904 \def\baselinestretch{\m@m@footnote@spacing}%
13905 \hsize\bidi@columnwidth
13906 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13907 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
13908 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
13909 \namedef{@mpsevenscol@footgroup#1}{%
13910 \def\baselinestretch{\m@m@footnote@spacing}%
13911 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13912 \m@mrigidbalance{\@nameuse{mpfootins#1}}{7}{\splittopskip}}}%
13913 \newcommand{\bidi@make@mpsevenscol@LTRfootgroup}[1]{%
13914 \namedef{@mpsevenscol@LTRfootgroup#1}{%
13915 \def\baselinestretch{\m@m@footnote@spacing}%
13916 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13917 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{7}{\splittopskip}}}%
13918 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
13919 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
13920 \namedef{foottextfontv@l}{\LTRfoottextfont}%
13921 \@bidi@before@Hy@hyperfootnotes
13922 \let\@footnotetext\@eightcolfootnotetext
13923 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
13924 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
13925 \dimen\footinsv@r=8\footinsdim
13926 \count\footinsv@r=125\relax
13927 \m@make@eightcol@footgroup{v@r}%
13928 \let\@footgroupv@r\@eightcol@footgroupv@r
13929 \dimen\footinsv@l=8\footinsdim
13930 \count\footinsv@l=125\relax
13931 \bidi@make@eightcol@LTRfootgroup{v@l}%
13932 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
13933 \let\@mpfootnotetext\@mpeightcolfootnotetext
13934 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
13935 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
13936 \@bidi@after@Hy@hyperfootnotes
13937 \m@make@mpeightcol@footgroup{v@r}%
13938 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
13939 \bidi@make@mpeightcol@LTRfootgroup{v@l}%
13940 \let\mp@LTRfootgroupv@l\@mpeightcol@LTRfootgroupv@l
13941 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13942 }
13943 \newcommand{\EightColumnFootnotes}{%
13944 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
13945 \namedef{foottextfontv@l}{\LTRfoottextfont}%
13946 \@bidi@before@Hy@hyperfootnotes

```



```

13947 \let\@footnotetext\@EightColfootnotetext
13948 \let\@LTRfootnotetext\@EightColLTRfootnotetext
13949 \let\@RTLfootnotetext\@EightColRTLfootnotetext
13950 \dimen\footinsv@r=8\footinsdim
13951 \count\footinsv@r=125\relax
13952 \m@make@eightcol@footgroup{v@r}%
13953 \let\@footgroupv@r\@eightcol@footgroupv@r
13954 \dimen\footinsv@l=8\footinsdim
13955 \count\footinsv@l=125\relax
13956 \bidi@make@eightcol@LTRfootgroup{v@l}%
13957 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
13958 \let\@mpfootnotetext\@mpEightColfootnotetext
13959 \let\@mpLTRfootnotetext\@mpEightColLTRfootnotetext
13960 \let\@mpRTLfootnotetext\@mpEightColRTLfootnotetext
13961 \@bidi@after@Hy@hyperfootnotes
13962 \m@make@mp@eightcol@footgroup{v@r}%
13963 \let\mp@footgroupv@r\@mp@eightcol@footgroupv@r
13964 \bidi@make@mp@eightcol@LTRfootgroup{v@l}%
13965 \let\mp@LTRfootgroupv@l\@mp@eightcol@LTRfootgroupv@l
13966 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13967 }
13968 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert
13969   \if@RTL@footnote
13970     \footinsv@r
13971   \else
13972     \footinsv@l
13973   \fi
13974 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13975   \def\baselinestretch{\m@m@footnote@spacing}%
13976   \reset@font\foottextfont
13977   \@preamfntext
13978   \protected@edef\@currentlabel{%
13979     \csname p@footnote\endcsname\@thefnmark}%
13980   \color@begingroup
13981     \@eightcolfootfmt{#1}%
13982   \color@endgroup}%
13983   \m@mmf@prepare}
13984 \newcommand{\@EightColfootnotetext}[1]{%
13985   \bidi@step@absolute@footnote@count
13986   \if@RTL@footnote
13987     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13988   \else
13989     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13990   \fi
13991   \global\setbox
13992   \if@RTL@footnote
13993     \footinsv@r
13994   \else
13995     \footinsv@l
13996   \fi
13997   \vbox{%
13998     \unvbox
13999     \if@RTL@footnote
14000       \footinsv@r

```



```

14001 \else
14002   \footinsv@l
14003 \fi
14004 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14005 \def\baselinestretch{\m@m@footnote@spacing}%
14006 \reset@font\foottextfont
14007 \@preamfntext
14008 \protected@edef\@currentlabel{%
14009   \csname p@footnote\endcsname\@thefnmark}%
14010 \color@begingroup
14011   \@eightcolfootfmt{#1}%
14012 \color@endgroup}%
14013 \m@mmf@prepare
14014 \if@RTL@footnote
14015   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14016 \else
14017   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14018 \fi
14019 }
14020 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14021   \def\baselinestretch{\m@m@footnote@spacing}%
14022   \reset@font\LTRfoottextfont
14023   \@preamfntext
14024   \protected@edef\@currentlabel{%
14025     \csname p@footnote\endcsname\@thefnmark}%
14026   \color@begingroup
14027     \@eightcolLTRfootfmt{#1}%
14028   \color@endgroup}%
14029   \m@mmf@prepare}
14030 \newcommand{\@EightColLTRfootnotetext}[1]{%
14031   \bidi@step@absolutefootnote@count
14032   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14033   \global\setbox\footinsv@l\vbox{%
14034     \unvbox\footinsv@l
14035     \@RTLfalse
14036     \def\baselinestretch{\m@m@footnote@spacing}%
14037     \reset@font\LTRfoottextfont
14038     \@preamfntext
14039     \protected@edef\@currentlabel{%
14040       \csname p@footnote\endcsname\@thefnmark}%
14041     \color@begingroup
14042       \@eightcolLTRfootfmt{#1}%
14043     \color@endgroup}%
14044     \m@mmf@prepare
14045   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14046 }
14047 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14048   \def\baselinestretch{\m@m@footnote@spacing}%
14049   \reset@font\RTLfoottextfont
14050   \@preamfntext
14051   \protected@edef\@currentlabel{%
14052     \csname p@footnote\endcsname\@thefnmark}%
14053   \color@begingroup
14054     \@eightcolRTLfootfmt{#1}%

```



```

14055 \color@endgroup}%
14056 \m@mmf@prepare}
14057 \newcommand{\@EightColRTLfootnotetext}[1]{%
14058 \bidi@step@absolutefootnote@count
14059 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14060 \global\setbox\footinsv@r\vbox{%
14061 \unvbox\footinsv@r
14062 \@RTLtrue%
14063 \def\baselinestretch{\m@mm@footnote@spacing}%
14064 \reset@font\RTLfoottextfont
14065 \@preamfntext
14066 \protected@edef\@currentlabel{%
14067 \csname p@footnote\endcsname\@thefnmark}%
14068 \color@begingroup
14069 \@eightcolRTLfootfmt{#1}%
14070 \color@endgroup}%
14071 \m@mmf@prepare
14072 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14073 }
14074 \bidi@ensure@newcommand{\@preameightfmt}{%
14075 \hsize .125\hsize
14076 \parindent=\z@
14077 \tolerance=5000\relax
14078 \leavevmode}
14079 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
14080 \@preameightfmt
14081 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14082 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
14083 \@preameightfmt
14084 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14085 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
14086 \@preameightfmt
14087 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14088 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
14089 \global\setbox
14090 \if@RTL@footnote
14091 \@mpfootinsv@r
14092 \else
14093 \@mpfootinsv@l
14094 \fi
14095 \vbox{%
14096 \unvbox
14097 \if@RTL@footnote
14098 \@mpfootinsv@r
14099 \else
14100 \@mpfootinsv@l
14101 \fi
14102 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14103 \def\baselinestretch{\m@mm@footnote@spacing}%
14104 \reset@font\foottextfont
14105 \hsize\columnwidth \@parboxrestore
14106 \protected@edef\@currentlabel{%
14107 \csname p@mpfootnote\endcsname\@thefnmark}%
14108 \color@begingroup

```



```

14109 \eightcolfootfmt{#1}%
14110 \color@endgroup}%
14111 \m@mmf@prepare}
14112 \newcommand{\@mpEightColfootnotetext}[1]{%
14113 \if@RTL@footnote
14114 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14115 \else
14116 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14117 \fi
14118 \global\setbox
14119 \if@RTL@footnote
14120 \@mpfootinsv@r
14121 \else
14122 \@mpfootinsv@l
14123 \fi
14124 \vbox{%
14125 \unvbox
14126 \if@RTL@footnote
14127 \@mpfootinsv@r
14128 \else
14129 \@mpfootinsv@l
14130 \fi
14131 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14132 \def\baselinestretch{\m@mm@footnote@spacing}%
14133 \reset@font\foottextfont
14134 \hsize\columnwidth \@parboxrestore
14135 \protected@edef\@currentlabel{%
14136 \csname p@mpfootnote\endcsname\@thefnmark}%
14137 \color@begingroup
14138 \eightcolfootfmt{#1}%
14139 \color@endgroup}%
14140 \m@mmf@prepare}
14141 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
14142 \global\setbox\@mpfootinsv@l\vbox{%
14143 \unvbox\@mpfootinsv@l
14144 \@RTLfalse
14145 \def\baselinestretch{\m@mm@footnote@spacing}%
14146 \reset@font\LTRfoottextfont
14147 \hsize\columnwidth \@parboxrestore
14148 \protected@edef\@currentlabel{%
14149 \csname p@mpfootnote\endcsname\@thefnmark}%
14150 \color@begingroup
14151 \eightcolLTRfootfmt{#1}%
14152 \color@endgroup}%
14153 \m@mmf@prepare}
14154 \newcommand{\@mpEightColLTRfootnotetext}[1]{%
14155 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14156 \global\setbox\@mpfootinsv@l\vbox{%
14157 \unvbox\@mpfootinsv@l
14158 \@RTLfalse
14159 \def\baselinestretch{\m@mm@footnote@spacing}%
14160 \reset@font\LTRfoottextfont
14161 \hsize\columnwidth \@parboxrestore
14162 \protected@edef\@currentlabel{%

```



```

14163      \csname p@mpfootnote\endcsname\@thefnmark}%
14164      \color@begingroup
14165      \@eightcolLTRfootfmt{#1}%
14166      \color@endgroup}%
14167      \m@mmf@prepare}
14168 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
14169   \global\setbox\@mpfootinsv@r\vbox{%
14170     \unvbox\@mpfootinsv@r
14171     \RTLtrue
14172     \def\baselinestretch{\m@m@footnote@spacing}%
14173     \reset@font\RTLfoottextfont
14174     \hsize\columnwidth \@parboxrestore
14175     \protected@edef\@currentlabel{%
14176       \csname p@mpfootnote\endcsname\@thefnmark}%
14177     \color@begingroup
14178     \@eightcolRTLfootfmt{#1}%
14179     \color@endgroup}%
14180     \m@mmf@prepare}
14181 \newcommand{\@mpEightColRTLfootnotetext}[1]{%
14182   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14183   \global\setbox\@mpfootinsv@r\vbox{%
14184     \unvbox\@mpfootinsv@r
14185     \RTLtrue
14186     \def\baselinestretch{\m@m@footnote@spacing}%
14187     \reset@font\RTLfoottextfont
14188     \hsize\columnwidth \@parboxrestore
14189     \protected@edef\@currentlabel{%
14190       \csname p@mpfootnote\endcsname\@thefnmark}%
14191     \color@begingroup
14192     \@eightcolRTLfootfmt{#1}%
14193     \color@endgroup}%
14194     \m@mmf@prepare}
14195 \bidi@ensure@newcommand{\@make@eightcol@footgroup}[1]{%
14196   \@namedef{@eightcol@footgroup#1}{%
14197     \def\baselinestretch{\m@m@footnote@spacing}%
14198     \hsize\bidi@columnwidth
14199     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14200     \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
14201 \newcommand{\bidi@make@eightcol@LTRfootgroup}[1]{%
14202   \@namedef{@eightcol@LTRfootgroup#1}{%
14203     \def\baselinestretch{\m@m@footnote@spacing}%
14204     \hsize\bidi@columnwidth
14205     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14206     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
14207 \bidi@ensure@newcommand{\@make@mpeightcol@footgroup}[1]{%
14208   \@namedef{@mpeightcol@footgroup#1}{%
14209     \def\baselinestretch{\m@m@footnote@spacing}%
14210     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14211     \m@mrigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}%
14212 \newcommand{\bidi@make@mpeightcol@LTRfootgroup}[1]{%
14213   \@namedef{@mpeightcol@LTRfootgroup#1}{%
14214     \def\baselinestretch{\m@m@footnote@spacing}%
14215     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14216     \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}%

```



```

14217 \bidi@ensure@newcommand{\nincolumnfootnotes}{%
14218   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14219   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14220   \@bidi@before@Hy@hyperfootnotes
14221   \let\@footnotetext\@nincolfootnotetext
14222   \let\@LTRfootnotetext\@nincolLTRfootnotetext
14223   \let\@RTLfootnotetext\@nincolRTLfootnotetext
14224   \dimen\footinsv@r=9\footinsdim
14225   \count\footinsv@r=111\relax
14226   \m@make@nincol@footgroup{v@r}%
14227   \let\@footgroupv@r\@nincol@footgroupv@r
14228   \dimen\footinsv@l=9\footinsdim
14229   \count\footinsv@l=111\relax
14230   \bidi@make@nincol@LTRfootgroup{v@l}%
14231   \let\@LTRfootgroupv@l\@nincol@LTRfootgroupv@l
14232   \let\@mpfootnotetext\@mpnincolfootnotetext
14233   \let\@mpLTRfootnotetext\@mpnincolLTRfootnotetext
14234   \let\@mpRTLfootnotetext\@mpnincolRTLfootnotetext
14235   \@bidi@after@Hy@hyperfootnotes
14236   \m@make@mpnincol@footgroup{v@r}%
14237   \let\mp@footgroupv@r\@mpnincol@footgroupv@r
14238   \bidi@make@mpnincol@LTRfootgroup{v@l}%
14239   \let\mp@LTRfootgroupv@l\@mpnincol@LTRfootgroupv@l
14240   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14241 }
14242 \newcommand{\NineColumnFootnotes}{%
14243   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14244   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14245   \@bidi@before@Hy@hyperfootnotes
14246   \let\@footnotetext\@NineColfootnotetext
14247   \let\@LTRfootnotetext\@NineColLTRfootnotetext
14248   \let\@RTLfootnotetext\@NineColRTLfootnotetext
14249   \dimen\footinsv@r=9\footinsdim
14250   \count\footinsv@r=111\relax
14251   \m@make@nincol@footgroup{v@r}%
14252   \let\@footgroupv@r\@nincol@footgroupv@r
14253   \dimen\footinsv@l=9\footinsdim
14254   \count\footinsv@l=111\relax
14255   \bidi@make@nincol@LTRfootgroup{v@l}%
14256   \let\@LTRfootgroupv@l\@nincol@LTRfootgroupv@l
14257   \let\@mpfootnotetext\@mpNineColfootnotetext
14258   \let\@mpLTRfootnotetext\@mpNineColLTRfootnotetext
14259   \let\@mpRTLfootnotetext\@mpNineColRTLfootnotetext
14260   \@bidi@after@Hy@hyperfootnotes
14261   \m@make@mpnincol@footgroup{v@r}%
14262   \let\mp@footgroupv@r\@mpnincol@footgroupv@r
14263   \bidi@make@mpnincol@LTRfootgroup{v@l}%
14264   \let\mp@LTRfootgroupv@l\@mpnincol@LTRfootgroupv@l
14265   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14266 }
14267 \bidi@ensure@newcommand{\@nincolfootnotetext}[1]{\insert
14268   \if@RTL@footnote
14269     \footinsv@r
14270   \else

```



```

14271 \footinsv@l
14272 \fi
14273 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14274 \def\baselinestretch{\m@m@footnote@spacing}%
14275 \reset@font\foottextfont
14276 \@preamfntext
14277 \protected@edef\@currentlabel{%
14278 \csname p@footnote\endcsname\@thefnmark}%
14279 \color@begingroup
14280 \@ninecolfootfmt{#1}%
14281 \color@endgroup}%
14282 \m@mmf@prepare}
14283 \newcommand{\@NineColfootnotetext}[1]{%
14284 \bidi@step@absolute@footnote@count
14285 \if@RTL@footnote
14286 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14287 \else
14288 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14289 \fi
14290 \global\setbox
14291 \if@RTL@footnote
14292 \footinsv@r
14293 \else
14294 \footinsv@l
14295 \fi
14296 \vbox{%
14297 \unvbox
14298 \if@RTL@footnote
14299 \footinsv@r
14300 \else
14301 \footinsv@l
14302 \fi
14303 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14304 \def\baselinestretch{\m@m@footnote@spacing}%
14305 \reset@font\foottextfont
14306 \@preamfntext
14307 \protected@edef\@currentlabel{%
14308 \csname p@footnote\endcsname\@thefnmark}%
14309 \color@begingroup
14310 \@ninecolfootfmt{#1}%
14311 \color@endgroup}%
14312 \m@mmf@prepare
14313 \if@RTL@footnote
14314 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14315 \else
14316 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14317 \fi
14318 }
14319 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14320 \def\baselinestretch{\m@m@footnote@spacing}%
14321 \reset@font\LTRfoottextfont
14322 \@preamfntext
14323 \protected@edef\@currentlabel{%
14324 \csname p@footnote\endcsname\@thefnmark}%

```



```

14325 \color@begingroup
14326 \@ninecolLTRfootfmt{#1}%
14327 \color@endgroup}%
14328 \m@mmf@prepare}
14329 \newcommand{\@NineColLTRfootnotetext}[1]{%
14330 \bidi@step@absolutefootnote@count
14331 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14332 \global\setbox\footinsv@l\vbox{%
14333 \unvbox\footinsv@l
14334 \@RTLfalse
14335 \def\baselinestretch{\m@m@footnote@spacing}%
14336 \reset@font\LTRfoottextfont
14337 \@preamfntext
14338 \protected@edef\@currentlabel{%
14339 \csname p@footnote\endcsname\@thefnmark}%
14340 \color@begingroup
14341 \@ninecolLTRfootfmt{#1}%
14342 \color@endgroup}%
14343 \m@mmf@prepare
14344 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14345 }
14346 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14347 \def\baselinestretch{\m@m@footnote@spacing}%
14348 \reset@font\RTLfoottextfont
14349 \@preamfntext
14350 \protected@edef\@currentlabel{%
14351 \csname p@footnote\endcsname\@thefnmark}%
14352 \color@begingroup
14353 \@ninecolRTLfootfmt{#1}%
14354 \color@endgroup}%
14355 \m@mmf@prepare}
14356 \newcommand{\@NineColRTLfootnotetext}[1]{%
14357 \bidi@step@absolutefootnote@count
14358 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14359 \global\setbox\footinsv@r\vbox{%
14360 \unvbox\footinsv@r
14361 \@RTLtrue
14362 \def\baselinestretch{\m@m@footnote@spacing}%
14363 \reset@font\RTLfoottextfont
14364 \@preamfntext
14365 \protected@edef\@currentlabel{%
14366 \csname p@footnote\endcsname\@thefnmark}%
14367 \color@begingroup
14368 \@ninecolRTLfootfmt{#1}%
14369 \color@endgroup}%
14370 \m@mmf@prepare
14371 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14372 }
14373 \bidi@ensure@newcommand{\@preamninefmt}{%
14374 \hsize .1\hsize
14375 \parindent=\z@
14376 \tolerance=5000\relax
14377 \leavevmode}
14378 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%

```



```

14379 \@preamninefmt
14380 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14381 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
14382 \@preamninefmt
14383 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14384 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
14385 \@preamninefmt
14386 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14387 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
14388 \global\setbox
14389 \ifRTL@footnote
14390 \@mpfootinsv@r
14391 \else
14392 \@mpfootinsv@l
14393 \fi
14394 \vbox{%
14395 \unvbox
14396 \ifRTL@footnote
14397 \@mpfootinsv@r
14398 \else
14399 \@mpfootinsv@l
14400 \fi
14401 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
14402 \def\baselinestretch{\m@m@footnote@spacing}%
14403 \reset@font\foottextfont
14404 \hsize\columnwidth \@parboxrestore
14405 \protected@edef\@currentlabel{%
14406 \csname p@mpfootnote\endcsname\@thefnmark}%
14407 \color@begingroup
14408 \@ninecolfootfmt{#1}%
14409 \color@endgroup}%
14410 \m@m@f@prepare}
14411 \newcommand{\@mpNineColfootnotetext}[1]{%
14412 \ifRTL@footnote
14413 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14414 \else
14415 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14416 \fi
14417 \global\setbox
14418 \ifRTL@footnote
14419 \@mpfootinsv@r
14420 \else
14421 \@mpfootinsv@l
14422 \fi
14423 \vbox{%
14424 \unvbox
14425 \ifRTL@footnote
14426 \@mpfootinsv@r
14427 \else
14428 \@mpfootinsv@l
14429 \fi
14430 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
14431 \def\baselinestretch{\m@m@footnote@spacing}%
14432 \reset@font\foottextfont

```



```

14433 \hsize\columnwidth \@parboxrestore
14434 \protected@edef\@currentlabel{%
14435 \csname p@mpfootnote\endcsname\@thefnmark}%
14436 \color@begingroup
14437 \@ninecolfootfmt{#1}%
14438 \color@endgroup}%
14439 \m@mmf@prepare}
14440 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
14441 \global\setbox\@mpfootinsv@l\vbox{%
14442 \unvbox\@mpfootinsv@l
14443 \@RTLfalse
14444 \def\baselinestretch{\m@m@footnote@spacing}%
14445 \reset@font\LTRfoottextfont
14446 \hsize\columnwidth \@parboxrestore
14447 \protected@edef\@currentlabel{%
14448 \csname p@mpfootnote\endcsname\@thefnmark}%
14449 \color@begingroup
14450 \@ninecolLTRfootfmt{#1}%
14451 \color@endgroup}%
14452 \m@mmf@prepare}
14453 \newcommand{\@mpNineColLTRfootnotetext}[1]{%
14454 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14455 \global\setbox\@mpfootinsv@l\vbox{%
14456 \unvbox\@mpfootinsv@l
14457 \@RTLfalse
14458 \def\baselinestretch{\m@m@footnote@spacing}%
14459 \reset@font\LTRfoottextfont
14460 \hsize\columnwidth \@parboxrestore
14461 \protected@edef\@currentlabel{%
14462 \csname p@mpfootnote\endcsname\@thefnmark}%
14463 \color@begingroup
14464 \@ninecolLTRfootfmt{#1}%
14465 \color@endgroup}%
14466 \m@mmf@prepare}
14467 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
14468 \global\setbox\@mpfootinsv@r\vbox{%
14469 \unvbox\@mpfootinsv@r
14470 \@RTLtrue
14471 \def\baselinestretch{\m@m@footnote@spacing}%
14472 \reset@font\RTLfoottextfont
14473 \hsize\columnwidth \@parboxrestore
14474 \protected@edef\@currentlabel{%
14475 \csname p@mpfootnote\endcsname\@thefnmark}%
14476 \color@begingroup
14477 \@ninecolRTLfootfmt{#1}%
14478 \color@endgroup}%
14479 \m@mmf@prepare}
14480 \newcommand{\@mpNineColRTLfootnotetext}[1]{%
14481 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14482 \global\setbox\@mpfootinsv@r\vbox{%
14483 \unvbox\@mpfootinsv@r
14484 \@RTLtrue
14485 \def\baselinestretch{\m@m@footnote@spacing}%
14486 \reset@font\RTLfoottextfont

```



```

14487 \hsize\columnwidth \@parboxrestore
14488 \protected@edef\@currentlabel{%
14489 \csname p@mpfootnote\endcsname\@thefnmark}%
14490 \color@begingroup
14491 \@ninecolRTLfootfmt{#1}%
14492 \color@endgroup}%
14493 \m@mmf@prepare}
14494 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
14495 \@namedef{\@ninecol@footgroup#1}{%
14496 \def\baselinestretch{\m@m@footnote@spacing}%
14497 \hsize\bidi@columnwidth
14498 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14499 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
14500 \newcommand{\bidi@make@ninecol@LTRfootgroup}[1]{%
14501 \@namedef{\@ninecol@LTRfootgroup#1}{%
14502 \def\baselinestretch{\m@m@footnote@spacing}%
14503 \hsize\bidi@columnwidth
14504 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14505 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
14506 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
14507 \@namedef{\@mpninecol@footgroup#1}{%
14508 \def\baselinestretch{\m@m@footnote@spacing}%
14509 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14510 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{9}{\splittopskip}}}%
14511 \newcommand{\bidi@make@mpninecol@LTRfootgroup}[1]{%
14512 \@namedef{\@mpninecol@LTRfootgroup#1}{%
14513 \def\baselinestretch{\m@m@footnote@spacing}%
14514 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14515 \bidi@LTRrigidbalance{\@nameuse{\@mpfootins#1}}{9}{\splittopskip}}}%
14516 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
14517 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14518 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14519 \@bidi@before@Hy@hyperfootnotes
14520 \let\@footnotetext\@tencolfootnotetext
14521 \let\@LTRfootnotetext\@tencolLTRfootnotetext
14522 \let\@RTLfootnotetext\@tencolRTLfootnotetext
14523 \dimen\footinsv@r=10\footinsdim
14524 \count\footinsv@r=100\relax
14525 \m@make@tencol@footgroup{v@r}%
14526 \let\@footgroupv@r\@tencol@footgroupv@r
14527 \dimen\footinsv@l=10\footinsdim
14528 \count\footinsv@l=100\relax
14529 \bidi@make@tencol@LTRfootgroup{v@l}%
14530 \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
14531 \let\@mpfootnotetext\@mptencolfootnotetext
14532 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
14533 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
14534 \@bidi@after@Hy@hyperfootnotes
14535 \m@make@mptencol@footgroup{v@r}%
14536 \let\mp@footgroupv@r\@mptencol@footgroupv@r
14537 \bidi@make@mptencol@LTRfootgroup{v@l}%
14538 \let\mp@LTRfootgroupv@l\@mptencol@LTRfootgroupv@l
14539 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14540 }

```



```

14541 \newcommand{\TenColumnFootnotes}{%
14542   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14543   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14544   \@bidi@before@Hy@hyperfootnotes
14545   \let\@footnotetext\@TenColfootnotetext
14546   \let\@LTRfootnotetext\@TenColLTRfootnotetext
14547   \let\@RTLfootnotetext\@TenColRTLfootnotetext
14548   \dimen\footinsv@r=10\footinsdim
14549   \count\footinsv@r=100\relax
14550   \m@make@tencol@footgroup{v@r}%
14551   \let\@footgroupv@r\@tencol@footgroupv@r
14552   \dimen\footinsv@l=10\footinsdim
14553   \count\footinsv@l=100\relax
14554   \bidi@make@tencol@LTRfootgroup{v@l}%
14555   \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
14556   \let\@mpfootnotetext\@mpTenColfootnotetext
14557   \let\@mpLTRfootnotetext\@mpTenColLTRfootnotetext
14558   \let\@mpRTLfootnotetext\@mpTenColRTLfootnotetext
14559   \@bidi@after@Hy@hyperfootnotes
14560   \m@make@mp@tencol@footgroup{v@r}%
14561   \let\mp@footgroupv@r\@mp@tencol@footgroupv@r
14562   \bidi@make@mp@tencol@LTRfootgroup{v@l}%
14563   \let\mp@LTRfootgroupv@l\@mp@tencol@LTRfootgroupv@l
14564   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14565 }
14566 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert
14567   \if@RTL@footnote
14568     \footinsv@r
14569   \else
14570     \footinsv@l
14571   \fi
14572 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14573   \def\baselinestretch{\m@m@footnote@spacing}%
14574   \reset@font\foottextfont
14575   \@preamfntext
14576   \protected@edef\@currentlabel{%
14577     \csname p@footnote\endcsname\@thefnmark}%
14578   \color@begingroup
14579     \@tencolfootfmt{#1}%
14580   \color@endgroup}%
14581   \m@m@mmf@prepare}
14582 \newcommand{\@TenColfootnotetext}[1]{%
14583   \bidi@step@absolute@footnote@count
14584   \if@RTL@footnote
14585     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14586   \else
14587     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14588   \fi
14589   \global\setbox
14590   \if@RTL@footnote
14591     \footinsv@r
14592   \else
14593     \footinsv@l
14594   \fi

```



```

14595 \vbox{%
14596   \unvbox
14597   \if@RTL@footnote
14598     \footinsv@r
14599   \else
14600     \footinsv@l
14601   \fi
14602   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14603   \def\baselinestretch{\m@m@footnote@spacing}%
14604   \reset@font\foottextfont
14605   \@preamfntext
14606   \protected@edef\@currentlabel{%
14607     \csname p@footnote\endcsname\@thefnmark}%
14608   \color@begingroup
14609     \@tencolfootfmt{#1}%
14610   \color@endgroup}%
14611   \m@m@mmf@prepare
14612   \if@RTL@footnote
14613     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14614   \else
14615     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14616   \fi
14617 }
14618 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14619   \def\baselinestretch{\m@m@footnote@spacing}%
14620   \reset@font\LTRfoottextfont
14621   \@preamfntext
14622   \protected@edef\@currentlabel{%
14623     \csname p@footnote\endcsname\@thefnmark}%
14624   \color@begingroup
14625     \@tencolLTRfootfmt{#1}%
14626   \color@endgroup}%
14627   \m@m@mmf@prepare}
14628 \newcommand{\@TenColLTRfootnotetext}[1]{%
14629   \bidi@step@absolute@footnote@count
14630   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14631   \global\setbox\footinsv@l\vbox{%
14632     \unvbox\footinsv@l
14633     \@RTLfalse%
14634     \def\baselinestretch{\m@m@footnote@spacing}%
14635     \reset@font\LTRfoottextfont
14636     \@preamfntext
14637     \protected@edef\@currentlabel{%
14638       \csname p@footnote\endcsname\@thefnmark}%
14639     \color@begingroup
14640       \@tencolLTRfootfmt{#1}%
14641     \color@endgroup}%
14642     \m@m@mmf@prepare
14643     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14644 }
14645 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14646   \def\baselinestretch{\m@m@footnote@spacing}%
14647   \reset@font\RTLfoottextfont
14648   \@preamfntext

```



```

14649 \protected@edef\@currentlabel{%
14650 \csname p@footnote\endcsname\@thefnmark}%
14651 \color@begingroup
14652 \@tencolRTLfootfmt{#1}%
14653 \color@endgroup}%
14654 \m@mmf@prepare}
14655 \newcommand{\@TenColRTLfootnotetext}[1]{%
14656 \bidi@step@absolute@footnote@count
14657 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14658 \global\setbox\footinsv@r\vbox{%
14659 \unvbox\footinsv@r
14660 \RTLtrue
14661 \def\baselinestretch{\m@m@footnote@spacing}%
14662 \reset@font\RTLfoottextfont
14663 \@preamtenfnt
14664 \protected@edef\@currentlabel{%
14665 \csname p@footnote\endcsname\@thefnmark}%
14666 \color@begingroup
14667 \@tencolRTLfootfmt{#1}%
14668 \color@endgroup}%
14669 \m@mmf@prepare
14670 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14671 }
14672 \bidi@ensure@newcommand{\@preamtenfnt}{%
14673 \hsize .1\hsize
14674 \parindent=\z@
14675 \tolerance=5000\relax
14676 \leavevmode}
14677 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
14678 \@preamtenfnt
14679 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14680 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
14681 \@preamtenfnt
14682 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14683 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
14684 \@preamtenfnt
14685 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14686 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
14687 \global\setbox
14688 \if@RTL@footnote
14689 \@mpfootinsv@r
14690 \else
14691 \@mpfootinsv@l
14692 \fi
14693 \vbox{%
14694 \unvbox
14695 \if@RTL@footnote
14696 \@mpfootinsv@r
14697 \else
14698 \@mpfootinsv@l
14699 \fi
14700 \if@RTL@footnote\RTLtrue\else\RTLfalse\fi
14701 \def\baselinestretch{\m@m@footnote@spacing}%
14702 \reset@font\foottextfont

```



```

14703 \hsize\columnwidth \@parboxrestore
14704 \protected@edef\@currentlabel{%
14705 \csname p@mpfootnote\endcsname\@thefnmark}%
14706 \color@begingroup
14707 \@tencolfootfmt{#1}%
14708 \color@endgroup}%
14709 \m@mmf@prepare}
14710 \newcommand{\@mpTenColfootnotetext}[1]{%
14711 \if@RTL@footnote
14712 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14713 \else
14714 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14715 \fi
14716 \global\setbox
14717 \if@RTL@footnote
14718 \@mpfootinsv@r
14719 \else
14720 \@mpfootinsv@l
14721 \fi
14722 \vbox{%
14723 \unvbox
14724 \if@RTL@footnote
14725 \@mpfootinsv@r
14726 \else
14727 \@mpfootinsv@l
14728 \fi
14729 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14730 \def\baselinestretch{\m@m@footnote@spacing}%
14731 \reset@font\foottextfont
14732 \hsize\columnwidth \@parboxrestore
14733 \protected@edef\@currentlabel{%
14734 \csname p@mpfootnote\endcsname\@thefnmark}%
14735 \color@begingroup
14736 \@tencolfootfmt{#1}%
14737 \color@endgroup}%
14738 \m@mmf@prepare}
14739 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
14740 \global\setbox\@mpfootinsv@l\vbox{%
14741 \unvbox\@mpfootinsv@l
14742 \@RTLfalse
14743 \def\baselinestretch{\m@m@footnote@spacing}%
14744 \reset@font\LTRfoottextfont
14745 \hsize\columnwidth \@parboxrestore
14746 \protected@edef\@currentlabel{%
14747 \csname p@mpfootnote\endcsname\@thefnmark}%
14748 \color@begingroup
14749 \@tencolLTRfootfmt{#1}%
14750 \color@endgroup}%
14751 \m@mmf@prepare}
14752 \newcommand{\@mpTenColLTRfootnotetext}[1]{%
14753 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14754 \global\setbox\@mpfootinsv@l\vbox{%
14755 \unvbox\@mpfootinsv@l
14756 \@RTLfalse

```



```

14757 \def\baselinestretch{\m@m@footnote@spacing}%
14758 \reset@font\LTRfoottextfont
14759 \hsize\columnwidth \@parboxrestore
14760 \protected@edef\@currentlabel{%
14761 \csname p@mpfootnote\endcsname\@thefnmark}%
14762 \color@begingroup
14763 \@tencolLTRfootfmt{#1}%
14764 \color@endgroup}%
14765 \m@m@mmf@prepare}
14766 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
14767 \global\setbox\@mpfootinsv@r\vbox{%
14768 \unvbox\@mpfootinsv@r
14769 \@RTLtrue
14770 \def\baselinestretch{\m@m@footnote@spacing}%
14771 \reset@font\RTLfoottextfont
14772 \hsize\columnwidth \@parboxrestore
14773 \protected@edef\@currentlabel{%
14774 \csname p@mpfootnote\endcsname\@thefnmark}%
14775 \color@begingroup
14776 \@tencolRTLfootfmt{#1}%
14777 \color@endgroup}%
14778 \m@m@mmf@prepare}
14779 \newcommand{\@mpTenColRTLfootnotetext}[1]{%
14780 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14781 \global\setbox\@mpfootinsv@r\vbox{%
14782 \unvbox\@mpfootinsv@r
14783 \@RTLtrue
14784 \def\baselinestretch{\m@m@footnote@spacing}%
14785 \reset@font\RTLfoottextfont
14786 \hsize\columnwidth \@parboxrestore
14787 \protected@edef\@currentlabel{%
14788 \csname p@mpfootnote\endcsname\@thefnmark}%
14789 \color@begingroup
14790 \@tencolRTLfootfmt{#1}%
14791 \color@endgroup}%
14792 \m@m@mmf@prepare}
14793 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
14794 \@namedef{@tencol@footgroup#1}{%
14795 \def\baselinestretch{\m@m@footnote@spacing}%
14796 \hsize\bidi@columnwidth
14797 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14798 \m@m@rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
14799 \newcommand{\bidi@make@tencol@LTRfootgroup}[1]{%
14800 \@namedef{@tencol@LTRfootgroup#1}{%
14801 \def\baselinestretch{\m@m@footnote@spacing}%
14802 \hsize\bidi@columnwidth
14803 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14804 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
14805 \bidi@ensure@newcommand{\m@make@emptencol@footgroup}[1]{%
14806 \@namedef{@emptencol@footgroup#1}{%
14807 \def\baselinestretch{\m@m@footnote@spacing}%
14808 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14809 \m@m@rigidbalance{\@nameuse{\@mpfootins#1}}{10}{\splittopskip}}}%
14810 \newcommand{\bidi@make@emptencol@LTRfootgroup}[1]{%

```



```

14811 \@namedef{@mptencol@LTRfootgroup#1}{%
14812   \def\baselinestretch{\m@m@footnote@spacing}%
14813   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14814   \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}
14815 \bidi@ensure@newcommand{\m@munvxh}[1]{%
14816   \setbox0=\vbox{\unvbox#1%
14817     \global\setbox1=\lastbox}%
14818   \unhbox1
14819   \unskip
14820   \unskip
14821   \unpenalty
14822   \hskip\m@mipn@skip}
14823 \bidi@ensure@newcommand{\m@mungebox}{%
14824   \setbox0=\hbox{\m@munvxh0}%
14825   \dp0=\z@
14826   \ht0=\footfudgefactor\wd0
14827   \box0
14828   \penalty0}
14829 \newskip\m@mipn@skip
14830 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
14831   {\foottextfont\global\m@mipn@skip=#1\relax}}
14832 \m@minterparanoteglue{1em plus.3em minus.3em}
14833 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
14834   \setbox0=\hbox{}%
14835   \loop
14836     \unpenalty
14837     \setbox2=\lastbox
14838     \ifhbox2
14839       \setbox0=\hbox{\box2\unhbox0}
14840     \repeat}
14841 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
14842   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
14843 \newcommand*{\AddExtraParaSkip}[1]{%
14844   \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
14845 }
14846 \let\bidi@xparaskip\relax
14847 \@onlypreamble\AddExtraParaSkip
14848 \@onlypreamble\bidi@xparaskip
14849 \def\bidi@startparafootskip#1{%
14850   \global\advance\skip#1\bidi@paraskip
14851 }
14852 \@onlypreamble\bidi@startparafootskip
14853 \bidi@ensure@newcommand{\paragraphfootnotes}{%
14854   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14855   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14856   \@bidi@before@Hy@hyperfootnotes
14857   \let\@footnotetext\@parafootnotetext
14858   \let\@LTRfootnotetext\@paraLTRfootnotetext
14859   \let\@RTLfootnotetext\@paraRTLfootnotetext
14860   \dimen\footinsv@r=\footinsdim
14861   \count\footinsv@r=1000\relax
14862   \let\bidi@removexfootskip\bidi@removexparafootskip
14863   \m@make@para@footgroup{v@r}%
14864   \m@make@para@footstart{v@r}%

```



```

14865 \let\@footgroupv@r\@para@footgroupv@r
14866 \let\@footstartv@r\@para@footstartv@r
14867 \dimen\footinsv@l=\footinsdim
14868 \count\footinsv@l=1000\relax
14869 \bidi@make@para@LTRfootgroup{v@l}%
14870 \m@make@para@footstart{v@l}%
14871 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14872 \let\@footstartv@l\@para@footstartv@l
14873 \let\@mpfootnotetext\@mpparafootnotetext
14874 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
14875 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
14876 \@bidi@after@Hy@hyperfootnotes
14877 \m@make@mppara@footgroup{v@r}%
14878 \bidi@make@mppara@LTRfootgroup{v@l}%
14879 \let\mp@footgroupv@r\@mppara@footgroupv@r
14880 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
14881 \g@addto@macro\bidi@floathook{%
14882   \begingroup
14883     \foottextfont \@tempdima\normalbaselineskip
14884     \multiply \@tempdima \@cclvi
14885     \@tempdimb \columnwidth
14886     \divide \@tempdimb \@cclvi
14887     \divide \@tempdima \@tempdimb
14888     \xdef\footfudgefactor{\strip@pt\@tempdima}%
14889   \endgroup
14890 }
14891 \AtBeginDocument{%
14892   \begingroup
14893     \foottextfont
14894     \@tempdima\footnotesep
14895     \advance\@tempdima -\ht\strutbox
14896     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
14897     \advance\@tempdima.5\normalbaselineskip
14898     \bidi@xparaskip
14899     \xdef\bidi@paraskip{\the\@tempdima\relax}%
14900   \endgroup
14901   \bidi@startparafootskip\footinsv@r
14902   \bidi@startparafootskip\footinsv@l
14903 }
14904 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14905 }
14906 \newcommand{\ParagraphFootnotes}{%
14907   \@namedef{foottextfontv@r}{\foottextfont}%
14908   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14909   \@bidi@before@Hy@hyperfootnotes
14910   \let\@footnotetext\@Parafootnotetext
14911   \let\@LTRfootnotetext\@ParaLTRfootnotetext
14912   \let\@RTLfootnotetext\@ParaRTLfootnotetext
14913   \dimen\footinsv@r=\footinsdim
14914   \count\footinsv@r=1000\relax
14915   \let\bidi@removexfootskip\bidi@removexparafootskip
14916   \m@make@para@footgroup{v@r}%
14917   \m@make@para@footstart{v@r}%
14918   \let\@footgroupv@r\@para@footgroupv@r

```



```

14919 \let\@footstartv@r\@para@footstartv@r
14920 \dimen\footinsv@l=\footinsdim
14921 \count\footinsv@l=1000\relax
14922 \bidi@make@para@LTRfootgroup{v@l}%
14923 \m@make@para@footstart{v@l}%
14924 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14925 \let\@footstartv@l\@para@footstartv@l
14926 \let\@mpfootnotetext\@mpParafootnotetext
14927 \let\@mpLTRfootnotetext\@mpParaLTRfootnotetext
14928 \let\@mpRTLfootnotetext\@mpParaRTLfootnotetext
14929 \@bidi@after@Hy@hyperfootnotes
14930 \m@make@mppara@footgroup{v@r}%
14931 \bidi@make@mppara@LTRfootgroup{v@l}%
14932 \let\mp@footgroupv@r\@mppara@footgroupv@r
14933 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
14934 \g@addto@macro\bidi@floathook{%
14935   \begingroup
14936     \foottextfont \@tempdima\normalbaselineskip
14937     \multiply \@tempdima \@cclvi
14938     \@tempdimb \columnwidth
14939     \divide \@tempdimb \@cclvi
14940     \divide \@tempdima \@tempdimb
14941     \xdef\footfudgefactor{\strip@pt\@tempdima}%
14942   \endgroup
14943 }
14944 \AtBeginDocument{%
14945   \begingroup
14946     \foottextfont
14947     \@tempdima\footnotesep
14948     \advance\@tempdima -\ht\strutbox
14949     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
14950     \advance\@tempdima.5\normalbaselineskip
14951     \bidi@xparaskip
14952     \xdef\bidi@paraskip{\the\@tempdima\relax}%
14953   \endgroup
14954   \bidi@startparafootskip\footinsv@r
14955   \bidi@startparafootskip\footinsv@l
14956 }
14957 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14958 }
14959 \newcommand{\normalRTLparaLTRfootnotes}{%
14960   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14961   \@bidi@before@Hy@hyperfootnotes
14962   \ifRTL@footnote
14963     \let\@footnotetext\m@mold@footnotetext
14964   \else
14965     \let\@footnotetext\@parafootnotetext
14966   \fi
14967   \let\@LTRfootnotetext\@paraLTRfootnotetext
14968   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
14969   \dimen\footinsv@l=\footinsdim
14970   \count\footinsv@l=1000\relax
14971   \let\bidi@removexfootskip\bidi@removexparafootskip
14972   \bidi@make@para@LTRfootgroup{v@l}%

```



```

14973 \m@make@para@footstart{v@1}%
14974 \let\@LTRfootgroupv@1\@para@LTRfootgroupv@1
14975 \let\@footstartv@1\@para@footstartv@1
14976 \if@RTL@footnote
14977   \let\@mpfootnotetext\m@mold@mpfootnotetext
14978 \else
14979   \let\@mpfootnotetext\@mpparafootnotetext
14980 \fi
14981 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
14982 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
14983 \@bidi@after@Hy@hyperfootnotes
14984 \bidi@make@mppara@LTRfootgroup{v@1}%
14985 \let\mp@LTRfootgroupv@1\@mppara@LTRfootgroupv@1
14986 \g@addto@macro\bidi@floathook{%
14987   \begingroup
14988     \LTRfoottextfont \@tempdima\normalbaselineskip
14989     \multiply \@tempdima \@cclvi
14990     \@tempdimb \columnwidth
14991     \divide \@tempdimb \@cclvi
14992     \divide \@tempdima \@tempdimb
14993     \xdef\footfudgefactor{\strip@pt\@tempdima}%
14994   \endgroup
14995 }
14996 \AtBeginDocument{%
14997   \begingroup
14998     \LTRfoottextfont
14999     \@tempdima\footnotesep
15000     \advance\@tempdima -\ht\strutbox
15001     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
15002     \advance\@tempdima.5\normalbaselineskip
15003     \bidi@xparaskip
15004     \xdef\bidi@paraskip{\the\@tempdima\relax}%
15005   \endgroup
15006   \bidi@startparafootskip\footinsv@1
15007 }
15008 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
15009 }
15010 \newcommand{\NormalRTLParaLTRFootnotes}{%
15011   \@namedef{foottextfontv@1}{\LTRfoottextfont}%
15012   \@bidi@before@Hy@hyperfootnotes
15013   \if@RTL@footnote
15014     \let\@footnotetext\bidi@bidiold@footnotetext
15015   \else
15016     \let\@footnotetext\@Parafootnotetext
15017   \fi
15018   \let\@LTRfootnotetext\@ParaLTRfootnotetext
15019   \let\@RTLfootnotetext\bidi@bidiold@RTLfootnotetext
15020   \dimen\footinsv@1=\footinsdim
15021   \count\footinsv@1=1000\relax
15022   \let\bidi@removexfootskip\bidi@removexparafootskip
15023   \bidi@make@para@LTRfootgroup{v@1}%
15024   \m@make@para@footstart{v@1}%
15025   \let\@LTRfootgroupv@1\@para@LTRfootgroupv@1
15026   \let\@footstartv@1\@para@footstartv@1

```



```

15027 \if@RTL@footnote
15028   \let\@mpfootnotetext\@bidi@bidiold@mpfootnotetext
15029 \else
15030   \let\@mpfootnotetext\@mpParafootnotetext
15031 \fi
15032 \let\@mpLTRfootnotetext\@mpParaLTRfootnotetext
15033 \let\@mpRTLfootnotetext\@bidi@bidiold@mpRTLfootnotetext
15034 \@bidi@after@Hy@hyperfootnotes
15035 \bidi@make@mppara@LTRfootgroup{v@1}%
15036 \let\mp@LTRfootgroupv@1\@mppara@LTRfootgroupv@1
15037 \g@addto@macro\@bidi@floathook{%
15038   \begingroup
15039     \LTRfoottextfont \@tempdima\normalbaselineskip
15040     \multiply \@tempdima \@cclvi
15041     \@tempdimb \columnwidth
15042     \divide \@tempdimb \@cclvi
15043     \divide \@tempdima \@tempdimb
15044     \xdef\footfudgefactor{\strip@pt\@tempdima}%
15045   \endgroup
15046 }
15047 \AtBeginDocument{%
15048   \begingroup
15049     \LTRfoottextfont
15050     \@tempdima\footnotesep
15051     \advance\@tempdima -\ht\strutbox
15052     \ifdim\@tempdima<z@ \@tempdima\z@ \fi
15053     \advance\@tempdima.5\normalbaselineskip
15054     \bidi@xparaskip
15055     \xdef\@bidi@paraskip{\the\@tempdima\relax}%
15056   \endgroup
15057   \bidi@startparafootskip\footinsv@1
15058 }
15059 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
15060 }
15061 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
15062   \if@RTL@footnote
15063     \footinsv@r
15064   \else
15065     \footinsv@l
15066   \fi
15067   {%
15068     \let\@bidi@RTL@everypar\@empty%
15069     \def\baselinestretch{\m@mm@footnote@spacing}%
15070     \reset@font\foottextfont
15071     \@preamfntext
15072     \protected@edef\@currentlabel{%
15073       \csname p@footnote\endcsname\@thefnmark}%
15074     \setbox0=\vbox{\hsize=\maxdimen
15075       \color@begingroup
15076         \noindent \@parafootfmt{#1}%
15077       \color@endgroup}%
15078     \m@mungebox\m@mmf@prepare}
15079 \newcommand{\@Parafootnotetext}[1]{%
15080   \bidi@step@absolutefootnote@count

```



```

15081 \if@RTL@footnote
15082   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15083 \else
15084   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
15085 \fi
15086 \global\setbox
15087 \if@RTL@footnote
15088   \footinsv@r
15089 \else
15090   \footinsv@l
15091 \fi
15092 \vbox{%
15093 \unvbox
15094 \if@RTL@footnote
15095   \footinsv@r
15096 \else
15097   \footinsv@l
15098 \fi
15099 \let\bidi@RTL@everypar\@empty%
15100 \def\baselinestretch{\m@m@footnote@spacing}%
15101 \reset@font\foottextfont
15102 \@preamfntext
15103 \protected@edef\@currentlabel{%
15104   \csname p@footnote\endcsname\@thefnmark}%
15105 \setbox0=\vbox{\hsize=\maxdimen
15106   \color@begingroup
15107     \noindent \@parafootfmt{#1}%
15108   \color@endgroup}%
15109 \m@mungebox}\m@m@mmf@prepare
15110 \if@RTL@footnote
15111   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
15112 \else
15113   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15114 \fi
15115 }
15116 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
15117 \let\bidi@RTL@everypar\@empty%
15118 \def\baselinestretch{\m@m@footnote@spacing}%
15119 \reset@font\LTRfoottextfont
15120 \@preamfntext
15121 \protected@edef\@currentlabel{%
15122   \csname p@footnote\endcsname\@thefnmark}%
15123 \setbox0=\vbox{\hsize=\maxdimen
15124   \color@begingroup
15125     \noindent \@paraLTRfootfmt{#1}%
15126   \color@endgroup}%
15127 \m@mungebox}\m@m@mmf@prepare}
15128 \newcommand{\@ParaLTRfootnotetext}[1]{%
15129 \bidi@step@absolutefootnote@count
15130 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
15131 \global\setbox\footinsv@l\vbox{%
15132 \unvbox\footinsv@l
15133 \let\bidi@RTL@everypar\@empty%
15134 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

15135 \reset@font\LTRfoottextfont
15136 \@preamfntext
15137 \protected@edef\@currentlabel{%
15138   \csname p@footnote\endcsname\@thefnmark}%
15139 \setbox0=\vbox{\hsize=\maxdimen
15140   \color@begingroup
15141     \noindent \@paraLTRfootfmt{#1}%
15142   \color@endgroup}%
15143 \m@mungebox}\m@mmf@prepare
15144 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15145 }
15146 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
15147   \let\bidi@RTL@everypar\@empty%
15148   \def\baselinestretch{\m@m@footnote@spacing}%
15149   \reset@font\RTLfoottextfont
15150   \@preamfntext
15151   \protected@edef\@currentlabel{%
15152     \csname p@footnote\endcsname\@thefnmark}%
15153   \setbox0=\vbox{\hsize=\maxdimen
15154     \color@begingroup
15155       \noindent \@paraRTLfootfmt{#1}%
15156     \color@endgroup}%
15157   \m@mungebox}\m@mmf@prepare}
15158 \newcommand{\@ParaRTLfootnotetext}[1]{%
15159   \bidi@step@absolutefootnote@count
15160   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15161   \global\setbox\footinsv@r\vbox{%
15162     \unvbox\footinsv@r
15163     \let\bidi@RTL@everypar\@empty%
15164     \def\baselinestretch{\m@m@footnote@spacing}%
15165     \reset@font\RTLfoottextfont
15166     \@preamfntext
15167     \protected@edef\@currentlabel{%
15168       \csname p@footnote\endcsname\@thefnmark}%
15169     \setbox0=\vbox{\hsize=\maxdimen
15170       \color@begingroup
15171         \noindent \@paraRTLfootfmt{#1}%
15172       \color@endgroup}%
15173     \m@mungebox}\m@mmf@prepare
15174     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
15175 }
15176 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
15177   \parindent=\z@
15178   \parfillskip=0pt \@plus 1fil
15179   {\footfootmark\strut {\foottextfont #1}\penalty-10}}
15180 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
15181   \parindent=\z@
15182   \parfillskip=0pt \@plus 1fil
15183   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
15184 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
15185   \parindent=\z@
15186   \parfillskip=0pt \@plus 1fil
15187   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
15188 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%

```



```

15189 \global\setbox
15190 \if@RTL@footnote
15191   \@mpfootinsv@r
15192 \else
15193   \@mpfootinsv@l
15194 \fi
15195 \vbox{%
15196   \unvbox
15197   \if@RTL@footnote
15198     \@mpfootinsv@r
15199   \else
15200     \@mpfootinsv@l
15201   \fi
15202   \let\bid@RTL@everypar\@empty
15203   \def\baselinestretch{\m@mm@footnote@spacing}%
15204   \reset@font\foottextfont
15205   \hsize\columnwidth \@parboxrestore
15206   \protected@edef\@currentlabel{%
15207     \csname p@mpfootnote\endcsname\@thefnmark}%
15208   \setbox0=\vbox{\hsize=\maxdimen
15209     \color@begingroup
15210     \noindent \@parafootfmt{#1}%
15211     \color@endgroup}%
15212   \m@mungebox}\m@mmf@prepare}
15213 \newcommand{\@mpParafootnotetext}[1]{%
15214   \if@RTL@footnote
15215     \bid@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
15216   \else
15217     \bid@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
15218   \fi
15219   \global\setbox
15220   \if@RTL@footnote
15221     \@mpfootinsv@r
15222   \else
15223     \@mpfootinsv@l
15224   \fi
15225   \vbox{%
15226     \unvbox
15227     \if@RTL@footnote
15228       \@mpfootinsv@r
15229     \else
15230       \@mpfootinsv@l
15231     \fi
15232     \let\bid@RTL@everypar\@empty
15233     \def\baselinestretch{\m@mm@footnote@spacing}%
15234     \reset@font\foottextfont
15235     \hsize\columnwidth \@parboxrestore
15236     \protected@edef\@currentlabel{%
15237       \csname p@mpfootnote\endcsname\@thefnmark}%
15238     \setbox0=\vbox{\hsize=\maxdimen
15239       \color@begingroup
15240       \noindent \@parafootfmt{#1}%
15241       \color@endgroup}%
15242     \m@mungebox}\m@mmf@prepare}

```



```

15243 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
15244   \global\setbox\@mpfootinsv@l\vbox{%
15245     \unvbox\@mpfootinsv@l
15246     \let\bidi@RTL@everypar\@empty
15247     \def\baselinestretch{\m@m@footnote@spacing}%
15248     \reset@font\LTRfoottextfont
15249     \hsize\columnwidth \@parboxrestore
15250     \protected@edef\@currentlabel{%
15251       \csname p@mpfootnote\endcsname\@thefnmark}%
15252     \setbox0=\vbox{\hsize=\maxdimen
15253       \color@begingroup
15254       \noindent \@paraLTRfootfmt{#1}%
15255       \color@endgroup}%
15256     \m@mungebox}\m@mmf@prepare}
15257 \newcommand{\@mpParaLTRfootnotetext}[1]{%
15258   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
15259   \global\setbox\@mpfootinsv@l\vbox{%
15260     \unvbox\@mpfootinsv@l
15261     \let\bidi@RTL@everypar\@empty
15262     \def\baselinestretch{\m@m@footnote@spacing}%
15263     \reset@font\LTRfoottextfont
15264     \hsize\columnwidth \@parboxrestore
15265     \protected@edef\@currentlabel{%
15266       \csname p@mpfootnote\endcsname\@thefnmark}%
15267     \setbox0=\vbox{\hsize=\maxdimen
15268       \color@begingroup
15269       \noindent \@paraLTRfootfmt{#1}%
15270       \color@endgroup}%
15271     \m@mungebox}\m@mmf@prepare}
15272 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
15273   \global\setbox\@mpfootinsv@r\vbox{%
15274     \unvbox\@mpfootinsv@r
15275     \let\bidi@RTL@everypar\@empty
15276     \def\baselinestretch{\m@m@footnote@spacing}%
15277     \reset@font\RTLfoottextfont
15278     \hsize\columnwidth \@parboxrestore
15279     \protected@edef\@currentlabel{%
15280       \csname p@mpfootnote\endcsname\@thefnmark}%
15281     \setbox0=\vbox{\hsize=\maxdimen
15282       \color@begingroup
15283       \noindent \@paraRTLfootfmt{#1}%
15284       \color@endgroup}%
15285     \m@mungebox}\m@mmf@prepare}
15286 \newcommand{\@mpParaRTLfootnotetext}[1]{%
15287   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
15288   \global\setbox\@mpfootinsv@r\vbox{%
15289     \unvbox\@mpfootinsv@r
15290     \let\bidi@RTL@everypar\@empty
15291     \def\baselinestretch{\m@m@footnote@spacing}%
15292     \reset@font\RTLfoottextfont
15293     \hsize\columnwidth \@parboxrestore
15294     \protected@edef\@currentlabel{%
15295       \csname p@mpfootnote\endcsname\@thefnmark}%
15296     \setbox0=\vbox{\hsize=\maxdimen

```



```

15297      \color@begingroup
15298      \noindent \@paraRTLfootfmt{#1}%
15299      \color@endgroup}%
15300      \m@mmungebox}\m@mmf@prepare}
15301 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
15302 \@namedef{@para@footgroup#1}{%
15303   \unvbox\@nameuse{footins#1}
15304   \@RTLtrue
15305   \m@mmakehboxofhboxes
15306   \setbox0=\hbox{\unhbox0 \m@removehboxes}%
15307   \hsize\bidi@columnwidth
15308   \@parboxrestore
15309   \def\baselinestretch{\m@m@footnote@spacing}%
15310   \@nameuse{foottextfont#1}%
15311   \noindent\unhbox0\par}}
15312 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
15313 \@namedef{@para@LTRfootgroup#1}{%
15314   \unvbox\@nameuse{footins#1}
15315   \@RTLfalse
15316   \m@mmakehboxofhboxes
15317   \setbox0=\hbox{\unhbox0 \m@removehboxes}%
15318   \hsize\bidi@columnwidth
15319   \@parboxrestore
15320   \def\baselinestretch{\m@m@footnote@spacing}%
15321   \@nameuse{foottextfont#1}%
15322   \noindent\unhbox0\par}}
15323 \newcommand{\bidi@removexparafootskip}{%
15324   \advance\@tempskipa -\bidi@paraskip
15325   \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
15326 }
15327 \let\bidi@removexfootskip\relax
15328 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
15329 \@namedef{@mppara@footgroup#1}{%
15330   \unvbox\@nameuse{@mpfootins#1}
15331   \@RTLtrue
15332   \m@mmakehboxofhboxes
15333   \setbox0=\hbox{\unhbox0 \m@removehboxes}%
15334   \def\baselinestretch{\m@m@footnote@spacing}%
15335   \@nameuse{foottextfont#1}%
15336   \noindent\unhbox0\par}}
15337 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
15338 \@namedef{@mppara@LTRfootgroup#1}{%
15339   \unvbox\@nameuse{@mpfootins#1}
15340   \@RTLfalse
15341   \m@mmakehboxofhboxes
15342   \setbox0=\hbox{\unhbox0 \m@removehboxes}%
15343   \def\baselinestretch{\m@m@footnote@spacing}%
15344   \@nameuse{foottextfont#1}%
15345   \noindent\unhbox0\par}}
15346 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
15347 \@namedef{@para@footstart#1}{%
15348   \leftskip=\z@
15349   \rightskip=\z@
15350   \parindent=\z@

```



```

15351 }%
15352 }
15353 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
15354 \xdef\@freelist{\@freelist\@midlist}%
15355 \global\let\@midlist\@empty
15356 \@combinefloats}
15357 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
15358 \ifvbox\@kludgeins
15359 \@makespecialcolbox
15360 \else
15361 \setbox\@outputbox \vbox to\@colht{%
15362 \@texttop
15363 \dimen@ \dp\@outputbox
15364 \unvbox \@outputbox
15365 \vskip -\dimen@
15366 \@textbottom}%
15367 \fi}
15368 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
15369 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
15370 \boxmaxdepth\@maxdepth
15371 \@tempdima\dp\@cclv
15372 \unvbox\@cclv
15373 \vskip-\@tempdima
15374 \bidi@mopfn@bottom
15375 \vskip \skip\footins
15376 \color@begingroup
15377 \normalcolor
15378 \footnoterule
15379 \unvbox \footins
15380 \color@endgroup
15381 }%
15382 }
15383 \newcommand*{\bidi@mopfootnotebf}{%
15384 \setbox\@outputbox \vbox{%
15385 \boxmaxdepth\@maxdepth
15386 \unvbox\@outputbox
15387 \bidi@mopfn@bottom
15388 \vskip\skip\footins
15389 \color@begingroup
15390 \normalcolor
15391 \footnoterule
15392 \unvbox \footins
15393 \color@endgroup
15394 }%
15395 }
15396 \gdef\mem@makecol{%
15397 \m@m@makecolintro
15398 \m@m@doextrafeet
15399 \ifvoid\footins
15400 \setbox\@outputbox \box\@cclv
15401 \else
15402 \m@mopfootnote
15403 \fi
15404 \m@m@makecolfloats

```



```

15405 \m@m@makecoltext
15406 \global \maxdepth \@maxdepth}
15407 \gdef\@bidi@makecolbf{%
15408 \m@m@makecolintro
15409 \m@m@doextrafeet
15410 \setbox\@outputbox \box\@cclv
15411 \m@m@makecolfloats
15412 \ifvoid\footins
15413 \else
15414 \bidi@mopfootnotebf
15415 \fi
15416 \m@m@makecoltext
15417 \global \maxdepth \@maxdepth}
15418 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
15419 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
15420 \newcommand{\FeetAtBottom}{\def\bidi@mopfn@bottom{\vfill\relax}}
15421 \newcommand{\FeetBelowRagged}{\let\bidi@mopfn@bottom\relax}
15422 \FeetAboveFloat
15423 \FeetBelowRagged
15424 \def\bidi@reinserts#1{\ifvoid#1\else
15425 \ifnum\count\@currbox>\z@
15426 \advance\@pageht \ht#1%
15427 \advance\@pageht \skip#1%
15428 \advance\@pageht \dp#1%
15429 \fi
15430 \insert#1{\unvbox#1}%
15431 \fi
15432 }
15433 \def\bidi@init@multi@footins#1{%
15434 \multiply\count#1\col@number
15435 \multiply\skip#1\col@number
15436 }
15437 \def\bidi@reinsert@footnotes#1{\ifvoid#1\else
15438 \insert#1{}\fi}
15439 \AtBeginDocument{%
15440 \bidi@preto\@doclearpage\m@m@doextrafeet
15441 \g@addto@macro\@reinserts{%
15442 \bidi@reinserts\footinsv@r
15443 \bidi@reinserts\footinsv@l
15444 }
15445 \bidi@floathook
15446 \g@addto@macro\@floatplacement{%
15447 \bidi@ifmulticol}{\bidi@floathook}%
15448 }%
15449 \if@bidi\csundef{multi@column@out}{%
15450 \@onlypreamble\bidi@init@multi@footins
15451 \let\bidi@ifmulticol\@secondoftwo
15452 }{%
15453 \bidi@preto\multi@column@out\m@m@doextrafeet
15454 \g@addto@macro\init@mult@footins{%
15455 \bidi@init@multi@footins\footinsv@r
15456 \bidi@init@multi@footins\footinsv@l
15457 }%
15458 \g@addto@macro\reinsert@footnotes{%

```



```

15459     \bidi@reinsert@footnotes\footinsv@r
15460     \bidi@reinsert@footnotes\footinsv@l
15461   }%
15462 }%
15463 }

```

87 File extreport-xetex-bidi.def

```

15464 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport clas
15465 \renewcommand*\l@part[2]{%
15466   \ifnum \c@tocdepth >-2\relax
15467     \addpenalty{-\@highpenalty}%
15468     \advspace{2.25em \@plus\p@}%
15469     \begingroup
15470       \setlength\@tempdima{3em}%
15471       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15472       \parfillskip -\@pnumwidth
15473       {\leavevmode
15474         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15475       \nobreak
15476       \global\@nobreaktrue
15477       \everypar{\global\@nobreakfalse\everypar{}}%
15478     \endgroup
15479   \fi}
15480 \renewcommand*\l@chapter[2]{%
15481   \ifnum \c@tocdepth >\m@ne
15482     \addpenalty{-\@highpenalty}%
15483     \vskip 1.0em \@plus\p@
15484     \setlength\@tempdima{1.5em}%
15485     \begingroup
15486       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15487       \parfillskip -\@pnumwidth
15488       \leavevmode \bfseries
15489       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15490       \hskip -\if@RTL\rightskip\else\leftskip\fi
15491       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15492       \penalty\@highpenalty
15493     \endgroup
15494   \fi}
15495 \def\@makechapterhead#1{%
15496   \vspace*{50\p@}%
15497   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15498     \ifnum \c@secnumdepth >\m@ne
15499       \huge\bfseries \@chapapp\space \thechapter
15500       \par\nobreak
15501       \vskip 20\p@
15502     \fi
15503     \interlinepenalty\@M
15504     \Huge \bfseries #1\par\nobreak
15505     \vskip 40\p@
15506   }}
15507 \def\@makeschapterhead#1{%
15508   \vspace*{50\p@}%
15509   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi

```



```

15510 \normalfont
15511 \interlinepenalty\@M
15512 \Huge \bfseries #1\par\nobreak
15513 \vskip 40\p@
15514 }
15515 \renewcommand\left@footnoterule{%
15516 \kern-3\p@
15517 \hrule\@width.4\columnwidth
15518 \kern2.6\p@}
15519 \renewcommand\right@footnoterule{%
15520 \kern-3\p@
15521 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15522 \kern2.6\p@}
15523 \renewenvironment{thebibliography}[1]
15524 {\chapter*{\bibname
15525 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
15526 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15527 \bidi@thebibliography@font@hook%
15528 \list{\@biblabel{\@arabic\c@enumiv}}%
15529 {\settowidth\labelwidth{\@biblabel{#1}}%
15530 \leftmargin\labelwidth
15531 \advance\leftmargin\labelsep
15532 \@openbib@code
15533 \usecounter{enumiv}%
15534 \let\p@enumiv\@empty
15535 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15536 \sloppy\clubpenalty4000\widowpenalty4000%
15537 \sfcode`\.\@m}
15538 {\def\@noitemerr
15539 {\@latex@warning{Empty `thebibliography' environment}}%
15540 \endlist}
15541 \if@titlepage
15542 \renewcommand\maketitle{\begin{titlepage}%
15543 \let\footnotesize\small
15544 \let\right@footnoterule\relax
15545 \let\left@footnoterule\relax
15546 \let\textwidth\footnoterule\relax
15547 \let\footnote\thanks
15548 \null\vfil
15549 \vskip 60\p@
15550 \begin{center}%
15551 {\LARGE \@title \par}%
15552 \vskip 3em%
15553 {\large
15554 \lineskip .75em%
15555 \begin{tabular}[t]{c}%
15556 \@author
15557 \end{tabular}\par}%
15558 \vskip 1.5em%
15559 {\large \@date \par}% % Set date in \large size.
15560 \end{center}\par
15561 \@thanks
15562 \vfil\null
15563 \end{titlepage}%

```



```

15564 \setcounter{footnote}{0}%
15565 \global\let\thanks\relax
15566 \global\let\maketitle\relax
15567 \global\let\@thanks\@empty
15568 \global\let\@author\@empty
15569 \global\let\@date\@empty
15570 \global\let\@title\@empty
15571 \global\let\title\relax
15572 \global\let\author\relax
15573 \global\let\date\relax
15574 \global\let\and\relax
15575 }
15576 \else
15577 \renewcommand\maketitle{\par
15578 \begin{group}
15579 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15580 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15581 \long\def\@makefntext##1{\parindent 1em\noindent
15582 \hspace{1.8em}%
15583 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15584 \if@twocolumn
15585 \ifnum \col@number=\@ne
15586 \@maketitle
15587 \else
15588 \twocolumn[\@maketitle]%
15589 \fi
15590 \else
15591 \newpage
15592 \global\@topnum\z@ % Prevents figures from going at top of page.
15593 \@maketitle
15594 \fi
15595 \thispagestyle{plain}\@thanks
15596 \endgroup
15597 \setcounter{footnote}{0}%
15598 \global\let\thanks\relax
15599 \global\let\maketitle\relax
15600 \global\let\@maketitle\relax
15601 \global\let\@thanks\@empty
15602 \global\let\@author\@empty
15603 \global\let\@date\@empty
15604 \global\let\@title\@empty
15605 \global\let\title\relax
15606 \global\let\author\relax
15607 \global\let\date\relax
15608 \global\let\and\relax
15609 }
15610 \def\@maketitle{%
15611 \newpage
15612 \null
15613 \vskip 2em%
15614 \begin{center}%
15615 \let \footnote \thanks
15616 {\LARGE \@title \par}%
15617 \vskip 1.5em%

```



```

15618 {\large
15619 \lineskip .5em%
15620 \begin{tabular}[t]{c}%
15621 \author
15622 \end{tabular}\par}%
15623 \vskip 1em%
15624 {\large \@date}%
15625 \end{center}%
15626 \par
15627 \vskip 1.5em}
15628 \fi
15629 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
15630 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15631 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15632 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15633 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15634 \renewcommand\theequation{%
15635 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15636 \renewcommand\thefigure{%
15637 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15638 \renewcommand\thetable{%
15639 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

88 File fancybox-xetex-bidi.def

```

15640 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
15641 \def\fancy@oval#1#2#3{%
15642 \boxmaxdepth \maxdimen
15643 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
15644 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
15645 \@ovxx#1\relax
15646 \advance\@ovxx-\@wholewidth
15647 \@ovyy#2\relax
15648 \advance\@ovyy-\@wholewidth
15649 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
15650 \advance\@tempdimb-2\p@
15651 \ifdim\@tempdimb>\the@cornersize\relax
15652 \@tempdimb=\the@cornersize
15653 \fi
15654 \@getcirc\@tempdimb
15655 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
15656 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
15657 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
15658 \circlefnt
15659 \setbox\@tempboxa\hbox{\beginL%
15660 \if@ovr \@ovvert32\kern -\@tempdima \fi
15661 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
15662 \if@ovt \@ovhorz \kern -\@ovxx \fi
15663 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
15664 \advance\@ovdx\@ovro
15665 \advance\@ovdy\@ovro
15666 \advance\@ovxx\@wholewidth
15667 \wd\@tempboxa=\@ovxx
15668 \dp\@tempboxa=\z@}

```



89 File fancyhdr-xetex-bidi.def

```
15669 \ProvidesFile{fancyhdr-xetex-bidi.def}[2024/12/07 v0.8 bidi adaptations for fancyhdr package]
15670
15671 \let\f@nch@everypar\everypar
15672
15673 \bidi@patchcmd\f@nch@head\raggedright\bidi@raggedright
15674 {}{\bidi@warningnoline{Oops! patching ``string\f@nch@head' failed}}
15675 \bidi@patchcmd\f@nch@head\raggedleft\bidi@raggedleft
15676 {}{\bidi@warningnoline{Oops! patching ``string\f@nch@head' failed}}
15677
15678 \bidi@patchcmd\f@nch@foot\raggedright\bidi@raggedright
15679 {}{\bidi@warningnoline{Oops! patching ``string\f@nch@foot' failed}}
15680 \bidi@patchcmd\f@nch@foot\raggedleft\bidi@raggedleft
15681 {}{\bidi@warningnoline{Oops! patching ``string\f@nch@foot' failed}}
15682
```

90 File fix2col-xetex-bidi.def

```
15683 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
15684 \def\RTL@outputdblcol{%
15685   \if@firstcolumn
15686     \global\@firstcolumnfalse
15687     \global\setbox\@leftcolumn\copy\@outputbox
15688     \splitmaxdepth\maxdimen
15689     \vbadness\maxdimen
15690     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15691     \toks@\expandafter{\topmark}%
15692     \xdef\@firstcoltopmark{\the\toks@}%
15693     \toks@\expandafter{\splitfirstmark}%
15694     \xdef\@firstcolfirstmark{\the\toks@}%
15695     \ifx\@firstcolfirstmark\@empty
15696       \global\let\@setmarks\relax
15697     \else
15698       \gdef\@setmarks{%
15699         \let\firstmark\@firstcolfirstmark
15700         \let\topmark\@firstcoltopmark}%
15701     \fi
15702 \else \global\@firstcolumntrue
15703 \setbox\@outputbox \vbox {\hbox to\textwidth {%
15704 \hskip \columnwidth
15705 \hfil \vrule width\columnseprule \hfil
15706 \hbox to\columnwidth {%
15707 \bidi@firstcolumn@status@write%
15708 \box\@leftcolumn \hss}%
15709 \hskip -\textwidth
15710 \hbox to\columnwidth{%
15711 \bidi@lastcolumn@status@write%
15712 \box\@outputbox \hss}%
15713 \hskip \columnsep
15714 \hskip \columnwidth }}%
15715 \@combinedblfloats \@setmarks \@outputpage
15716 \begingroup \@dblfloatplacement \@startdblcolumn
15717 \@whilesw\if@fcolmade \fi
```



```

15718 {\@outputpage \@startdblcolumn }\endgroup
15719 \fi}
15720 \def\LTR@outputdblcol{%
15721   \if@firstcolumn
15722     \global\@firstcolumnfalse
15723     \global\setbox\@leftcolumn\copy\@outputbox
15724     \splitmaxdepth\maxdimen
15725     \vbadness\maxdimen
15726     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15727     \toks@\expandafter{\topmark}%
15728     \xdef\@firstcoltopmark{\the\toks@}%
15729     \toks@\expandafter{\splitfirstmark}%
15730     \xdef\@firstcolfirstmark{\the\toks@}%
15731     \ifx\@firstcolfirstmark\@empty
15732       \global\let\@setmarks\relax
15733     \else
15734       \gdef\@setmarks{%
15735         \let\firstmark\@firstcolfirstmark
15736         \let\topmark\@firstcoltopmark}%
15737     \fi
15738   \else
15739     \global\@firstcolumntrue
15740     \setbox\@outputbox\vbox{%
15741       \hb@xt@\textwidth{%
15742         \hb@xt@\columnwidth{%
15743           \bidi@firstcolumn@status@write%
15744           \box\@leftcolumn \hss}%
15745         \hfil
15746         \vrule \@width\columnseprule
15747         \hfil
15748         \hb@xt@\columnwidth{%
15749           \bidi@lastcolumn@status@write%
15750           \box\@outputbox \hss}}}%
15751   \@combinedblfloats
15752   \@setmarks
15753   \@outputpage
15754   \begingroup
15755     \@dblfloatplacement
15756     \@startdblcolumn
15757     \@whilesw\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
15758   \endgroup
15759 \fi}

```

91 File fleqn-xetex-bidi.def

```

15760 \ProvidesFile{fleqn-xetex-bidi.def}[2024/12/07 v0.2 bidi adaptations for fleqn tag for XeTeX]
15761 \DeclareRobustCommand\[\relax
15762   \ifmmode\@badmath
15763   \else
15764     \begin{trivlist}%
15765       \@beginparpenalty\predisplaypenalty
15766       \@endparpenalty\postdisplaypenalty
15767       \item[]\leavevmode
15768       \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$

```



```

15769             \hskip\mathindent\bgroup
15770         \fi}
15771 \DeclareRobustCommand\]{\relax
15772     \ifmode
15773         \egroup $\hfil% $
15774     \endL\egroup
15775     \end{trivlist}%
15776     \else \@badmath
15777     \fi}
15778 \renewenvironment{equation}%
15779     {\@beginparpenalty\predisplaypenalty
15780     \@endparpenalty\postdisplaypenalty
15781     \refstepcounter{equation}%
15782     \trivlist \item[]\leavevmode
15783     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
15784     \displaystyle
15785     \hskip\mathindent}%
15786     {$\hfil % $
15787     \displaywidth\linewidth\hbox{\@eqnnum}%
15788     \endL\egroup
15789     \endtrivlist}

```

92 File float-xetex-bidi.def

```

15790 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for
15791 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
15792 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
15793 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
15794 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
15795 \expandafter\edef\csname the#1\endcsname{%
15796 \expandafter\noexpand\csname
15797 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
15798 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

93 File floatrow-xetex-bidi.def

```

15799 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow packag
15800 \renewcommand\flnew@within[1]{\@addtoreset{\FB@captype}{#1}%
15801 \expandafter\edef\csname the\FB@captype\endcsname{%
15802 \expandafter\noexpand\csname
15803 the#1\endcsname\@SepMark\noexpand\arabic{\FB@captype}}}

```

94 File flowfram-xetex-bidi.def

```

15804 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram packag
15805 \def\@outputdblcol{%
15806 \c@nxtcol=\c@thisframe
15807 \c@curpg=\c@page
15808 \g@tnextcol{\c@nxtcol}%
15809 \if@ff@nwp % next flow frame starts on new page
15810 \global\@firstcolumntrue
15811 \setcolbox\c@thisframe
15812 \if@specialpage
15813 \global\@specialpagefalse

```



```

15814 \nameuse{ps@\@specialstyle}\relax
15815 \fi
15816 \if@twoside
15817 \ifodd\count\z@
15818 \let\@thehead\@oddhead
15819 \let\@thefoot\@oddfoot
15820 \else
15821 \let\@thehead\@evenhead
15822 \let\@thefoot\@evenfoot
15823 \fi
15824 \else
15825 \let\@thehead\@oddhead
15826 \let\@thefoot\@oddfoot
15827 \fi
15828 \@begindvi
15829 \@dynamicthead\@dynamictfoot
15830 \vbadness=\@M
15831 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}%
15832 \@combinedblfloats
15833 \@outputpage
15834 \advance\c@curpg by -\c@page\relax
15835 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
15836 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}%
15837 \@outputpage}
15838 \begingroup
15839 \dblfloatplacement
15840 \startdblcolumn
15841 \@whilesw \if@colmade \fi
15842 {\@outputpage \startdblcolumn }\endgroup
15843 \@resetst@tics
15844 \@resetdyn@mics
15845 \else % still on same page, save contents of box255
15846 \global\@firstcolumnfalse
15847 \setcolbox\c@thisframe
15848 \fi
15849 \global\c@thisframe=\@nxtcol
15850 \@setcol{\c@thisframe}\relax
15851 \global\@colht\vsiz
15852 }
15853 \def\@outputpage{%
15854 \begingroup
15855 \let\protect\noexpand
15856 \@resetactivechars
15857 \global\let\@if@newlist@if@newlist
15858 \global\@newlistfalse\@parboxrestore
15859 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
15860 \bidi@beforeoutputpageshipouthook
15861 \shipout\vbox{\set@typeset@protect
15862 \aftergroup
15863 \endgroup
15864 \aftergroup
15865 \set@typeset@protect
15866 \reset@font\normalsize
15867 \bidi@font@@outputpage

```



```

15868 \normalsfcodes
15869 \let\label\@gobble
15870 \let\index\@gobble
15871 \let\glossary\@gobble
15872 \baselineskip\z@skip
15873 \lineskip\z@skip
15874 \lineskiplimit\z@
15875 \vskip\topmargin\moveright\@themargin
15876 \vbox{%
15877   \global\let\bidibeforeheader\@firstofone
15878   \bidibeforeheaderhook
15879   \vskip\headheight
15880   \vskip\headsep
15881   \global\let\bidibeforeoutputboxoutputpage\@firstofone
15882   \bidibeforeoutputboxoutputpagehook
15883   \box\@outputbox
15884   \global\let\bidiafteroutputboxoutputpage\@firstofone
15885   \bidiafteroutputboxoutputpagehook
15886 }%
15887 \global\let\bidiafteroutputpageshipout\@firstofone
15888 \bidiafteroutputpageshipouthook
15889 \global\let\ifnewlist\@ifnewlist
15890 \stepcounter{page}%
15891 \setcounter{displayedframe}{0}%
15892 \let\firstmark\botmark
15893 \global\let\bidiatendoutputpage\@firstofone
15894 \bidiatendoutputpagehook
15895 }
15896
15897
15898 \newcommand*\bidis@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
15899 \expandafter\bidicolor\ff@txtcol}}
15900
15901 \newcommand{\bidiff@box}[3]{\@ffbackground{\vbox to#2
15902 {\hb@xt@ #1{\hss{\bidis@tfftextcol #3}\hss}\vss\kern\z@}}}%
15903
15904
15905 \renewcommand*\@docolbox}[1]{%
15906 \edef\ff@frametype{%
15907 \csname @ff@frametype@romannumeral#1\endcsname}%
15908 \edef\ff@col{\csname @ff@col@romannumeral#1\endcsname}%
15909 \edef\ff@txtcol{\csname @ff@txtcol@romannumeral#1\endcsname}%
15910 \edef\ff@backcol{\csname @ff@backcol@romannumeral#1\endcsname}%
15911 \@ff@setoffset{#1}%
15912 \rotateframe{\csname @ff@angle@romannumeral#1\endcsname}{%
15913 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
15914 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
15915 {\csname colheight\romannumeral#1\endcsname}{%
15916 \expandafter\box\csname column\romannumeral#1\endcsname}{%
15917 \csname\ff@frametype\endcsname}%
15918 }{%
15919 \bidiff@box{\csname colwidth\romannumeral#1\endcsname}%
15920 {\csname colheight\romannumeral#1\endcsname}{%
15921 \expandafter\box\csname column\romannumeral#1\endcsname}%

```



```

15922 }}}
15923 \@ifclassloaded{book}{%
15924 \renewcommand\theequation
15925   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15926 \renewcommand \thefigure
15927   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15928 \renewcommand \thetable
15929   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15930 \renewcommand \thechapter {\@arabic\c@chapter}
15931 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15932 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15933 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15934 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15935 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
15936 \@ifclassloaded{report}{%
15937 \renewcommand\theequation
15938   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15939 \renewcommand \thefigure
15940   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15941 \renewcommand \thetable
15942   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15943 \renewcommand \thechapter {\@arabic\c@chapter}
15944 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15945 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15946 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15947 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15948 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
15949 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
15950 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}%
15951 \else
15952 #2\relax
15953 \fi}

```

95 File footnote-xetex-bidi.def

```

15954 \ProvidesFile{footnote-xetex-bidi.def}[2023/01/18 v1.2 bidi footnote macros for XeTeX engine]
15955 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
15956 \newif\ifbidi@autofootnoterule
15957 \def\bidi@mpfootnoterule{\footnoterule}
15958 \newcounter{footdir@label}
15959 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
15960 \newcommand*{\footdir@write}{%
15961   \stepcounter{footdir@label}%
15962   \zref@labelbyprops{\thefootdir@label}{abspage}%
15963 }
15964 \newif\iffootdir@debug
15965 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
15966 \newtoks\footdir@toks
15967 \newcommand*{\footdir@debug}[1]{%
15968   \iffootdir@debug
15969     \typeout{[footdir] #1}%
15970   \fi
15971 }
15972 %\@ifpackagelater{zref-abspage}{2012/10/27}{%

```



```

15973 % \newcommand*{\footdir@LeftRightElse}{%
15974 %   \ltx@ifundefined{footdir@the\value{zabspage}}{%
15975 %     \footdir@debug{abspage \the\value{zabspage}: else}%
15976 %     \ltx@thirdofthree
15977 %   }{%
15978 %     \if\csname footdir@the\value{zabspage}\endcsname L%
15979 %       \footdir@debug{abspage \the\value{zabspage}: left}%
15980 %       \expandafter\ltx@firstofthree
15981 %     \else
15982 %       \footdir@debug{abspage \the\value{zabspage}: right}%
15983 %       \expandafter\ltx@secondofthree
15984 %     \fi
15985 %   }%
15986 % }%
15987 %}%
15988 \providecommand*{\c@zabspage}{\c@abspage}%
15989 \newcommand*{\footdir@LeftRightElse}{%
15990   \footdir@write
15991   \zifrefundefined{\thefootdir@label}{%
15992     \footdir@debug{abspage ??: else}%
15993     \ltx@thirdofthree
15994   }{%
15995     \edef\footdir@abspage{%
15996       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
15997     }%
15998     \ltx@ifundefined{footdir@\footdir@abspage}{%
15999       \footdir@debug{\footdir@abspage: else}%
16000       \ltx@thirdofthree
16001     }{%
16002       \if\csname footdir@\footdir@abspage\endcsname L%
16003         \footdir@debug{\footdir@abspage: left}%
16004         \expandafter\ltx@firstofthree
16005       \else
16006         \footdir@debug{\footdir@abspage: right}%
16007         \expandafter\ltx@secondofthree
16008       \fi
16009     }%
16010   }%
16011 }%
16012 %}
16013 \newcommand*{\footdir@fntext}[1]{%
16014   \zifrefundefined{\thefootdir@label}{%
16015   }{%
16016     \edef\footdir@name{%
16017       footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
16018     }%
16019     \@ifundefined{\footdir@name}{%
16020       \expandafter\gdef\csname\footdir@name\endcsname{#1}%
16021     }{%
16022     }%
16023   }
16024 }
16025 \newcommand*{\footdir@temp}[3]{%
16026   \@ifdefinable{#1}{%

```



```

16027 \let#1#2%
16028 \renewcommand{#2}[1]{%
16029 \footdir@write
16030 \footdir@fntext{#3}%
16031 \stepcounter{footdir@label}%
16032 \footdir@fntext{#3}%
16033 \footdir@toks{##1}%
16034 \footdir@toks\expandafter{%
16035 \the\expandafter\footdir@toks
16036 \expandafter
16037 \zref@labelbyprops\expandafter{\the\footdir@label}{abspage}%
16038 }%
16039 \expandafter#1\expandafter{\the\footdir@toks}%
16040 }%
16041 }%
16042 }
16043
16044 \def\right@footnoterule{%
16045 \kern-3\p@
16046 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16047 \kern2.6\p@}
16048 \def\left@footnoterule{\kern-3\p@
16049 \hrule \@width .4\columnwidth \kern 2.6\p@}
16050 \def\textwidth@footnoterule{\kern-3\p@
16051 \hrule \@width \columnwidth \kern 2.6\p@}
16052 \def\leftfootnoterule{%
16053 \bidi@autofootnoterulefalse%
16054 \def\footnoterule{\left@footnoterule}}
16055 \let\LRfootnoterule=\leftfootnoterule
16056 \def\rightfootnoterule{%
16057 \bidi@autofootnoterulefalse%
16058 \def\footnoterule{\right@footnoterule}}
16059 \def\textwidthfootnoterule{%
16060 \bidi@autofootnoterulefalse%
16061 \def\footnoterule{\textwidth@footnoterule}}
16062
16063
16064
16065 \def\auto@footnoterule{%
16066 \footdir@LeftRightElse%
16067 \left@footnoterule%
16068 \right@footnoterule%
16069 \left@footnoterule%
16070 }
16071
16072
16073
16074 \def\autofootnoterule{%
16075 \bidi@autofootnoteruletrue%
16076 \def\footnoterule{\auto@footnoterule}%
16077 }
16078
16079 \newcommand*{\SplitFootnoteRule}{%
16080 \gdef\split@prev{0}

```



```

16081 \let\pagefootnoterule\footnoterule
16082 \let\mpfootnoterule\footnoterule
16083 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
16084 \def\footnoterule{\relax
16085   \ifx \@listdepth\@mplistdepth
16086     \mpfootnoterule
16087   \else
16088     \ifnum\split@prev=\z@
16089       \pagefootnoterule
16090     \else
16091       \splitfootnoterule
16092     \fi
16093     \xdef\split@prev{\the\insertpenalties}%
16094   \fi
16095 }%
16096 }
16097
16098
16099
16100
16101 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
16102   \protected@xdef\@thefnmark{\thempfn}%
16103   \@footnotemark\@RTLfootnotetext}}
16104 \def\@xRTLfootnote[#1]{%
16105   \begingroup
16106     \csname c@\@mpfn\endcsname #1\relax
16107     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16108   \endgroup
16109   \@footnotemark\@RTLfootnotetext}
16110 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
16111   \protected@xdef\@thefnmark{\thempfn}%
16112   \@footnotemark\@LTRfootnotetext}}
16113 \def\@xLTRfootnote[#1]{%
16114   \begingroup
16115     \csname c@\@mpfn\endcsname #1\relax
16116     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16117   \endgroup
16118   \@footnotemark\@LTRfootnotetext}
16119
16120
16121 \def\setfootnoteRL{\@RTL@footnotetrue}
16122 \def\unsetfootnoteRL{\@RTL@footnotefalse}
16123 \def\setfootnoteLR{\unsetfootnoteRL}
16124
16125 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
16126 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
16127 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
16128
16129 \long\def\@footnotetext#1{\insert\footins{%
16130   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
16131   \reset@font%
16132   \bidi@footnotetext@font% \reset@font\footnotesize
16133   \interlinepenalty\interfootnotelinepenalty
16134   \splittopskip\footnotesep

```



```

16135 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
16136 \hsize\columnwidth \@parboxrestore
16137 \protected@edef\@currentlabel{%
16138 \csname p@footnote\endcsname\@thefnmark
16139 }%
16140 \color@begingroup
16141 \makefnmark{%
16142 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16143 \color@endgroup}}%
16144
16145
16146 \long\def\@RTLfootnotetext#1{\insert\footins{%
16147 \RTLtrue%
16148 \reset@font%
16149 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
16150 \interlinepenalty\interfootnotelinepenalty
16151 \splittopskip\footnotesep
16152 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
16153 \hsize\columnwidth \@parboxrestore
16154 \protected@edef\@currentlabel{%
16155 \csname p@footnote\endcsname\@thefnmark
16156 }%
16157 \color@begingroup
16158 \makefnmark{%
16159 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16160 \color@endgroup}}%
16161
16162 \long\def\@LTRfootnotetext#1{\insert\footins{%
16163 \RTLfalse%
16164 \reset@font%
16165 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
16166 \interlinepenalty\interfootnotelinepenalty
16167 \splittopskip\footnotesep
16168 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
16169 \hsize\columnwidth \@parboxrestore
16170 \protected@edef\@currentlabel{%
16171 \csname p@footnote\endcsname\@thefnmark
16172 }%
16173 \color@begingroup
16174 \makefnmark{%
16175 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16176 \color@endgroup}}%
16177
16178 \AtBeginDocument{%
16179 \if@RTL@footnote
16180 \newcommand*{\bidi@footdir@footnote}{R}
16181 \else
16182 \newcommand*{\bidi@footdir@footnote}{L}
16183 \fi%
16184 }
16185
16186 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
16187 \footdir@temp\footdir@ORG\bidi@RTLfootnotetext\@RTLfootnotetext{R}%
16188 \footdir@temp\footdir@ORG\bidi@LTRfootnotetext\@LTRfootnotetext{L}%

```



```

16189
16190 \long\def\@mpRTLfootnotetext#1{%
16191   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@fo
16192   \global\setbox\@mpfootins\vbox{%
16193     \unvbox\@mpfootins
16194     \@RTLtrue
16195     \reset@font%
16196     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
16197     \hsize\columnwidth
16198     \@parboxrestore
16199     \protected@edef\@currentlabel
16200       {\csname p@mpfootnote\endcsname\@thefnmark}%
16201     \color@begingroup
16202       \makefntext{%
16203         \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16204       \color@endgroup}}
16205 \long\def\@mpLTRfootnotetext#1{%
16206   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footn
16207   \global\setbox\@mpfootins\vbox{%
16208     \unvbox\@mpfootins
16209     \@RTLfalse
16210     \reset@font%
16211     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
16212     \hsize\columnwidth
16213     \@parboxrestore
16214     \protected@edef\@currentlabel
16215       {\csname p@mpfootnote\endcsname\@thefnmark}%
16216     \color@begingroup
16217       \makefntext{%
16218         \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16219       \color@endgroup}}
16220 \long\def\@mpfootnotetext#1{%
16221   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnot
16222   \global\setbox\@mpfootins\vbox{%
16223     \unvbox\@mpfootins
16224     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
16225     \reset@font%
16226     \bidi@footnotetext@font% \reset@font\footnotesize
16227     \hsize\columnwidth
16228     \@parboxrestore
16229     \protected@edef\@currentlabel
16230       {\csname p@mpfootnote\endcsname\@thefnmark}%
16231     \color@begingroup
16232       \makefntext{%
16233         \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16234       \color@endgroup}}
16235 \def\@iiminipage#1#2[#3]#4{%
16236   \leavevmode
16237   \@pboxswfalse
16238   \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
16239   \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi
16240   \setlength\@tempdima{#4}%
16241   \def\@mpargs{{#1}{#2}[#3]{#4}}%
16242   \setbox\@tempboxa\vbox\bgroup

```



```

16243 \color@begingroup
16244 \hsize\@tempdima
16245 \textwidth\hsize \columnwidth\hsize
16246 \@parboxrestore
16247 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
16248 \let\@footnotetext\@mpfootnotetext
16249 \let\@LTRfootnotetext\@mpLTRfootnotetext
16250 \let\@RTLfootnotetext\@mpRTLfootnotetext
16251 \let\@listdepth\@mplistdepth \@mplistdepth\z@
16252 \@minipagerestore
16253 \@setminipage}
16254 \def\endminipage{%
16255 \par
16256 \unskip
16257 \ifvoid\@mpfootins\else
16258 \vskip\skip\@mpfootins
16259 \normalcolor
16260 \bidi@mpfootnoterule
16261 \unvbox\@mpfootins
16262 \fi
16263 \@minipagefalse %% added 24 May 89
16264 \color@endgroup
16265 \egroup
16266 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
16267 \def\LTRthanks#1{\footnotemark
16268 \protected@xdef\@thanks{\@thanks
16269 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
16270 }
16271 \def\LTRfootnotetext{%
16272 \@ifnextchar [\@xLTRfootnotenext
16273 {\protected@xdef\@thefnmark{\thempfn}%
16274 \@LTRfootnotetext}}
16275 \def\@xLTRfootnotenext[#1]{%
16276 \begingroup
16277 \csname c@\@mpfn\endcsname #1\relax
16278 \unrestored@protected@xdef\@thefnmark{\thempfn}%
16279 \endgroup
16280 \@LTRfootnotetext}
16281 \def\RTLthanks#1{\footnotemark
16282 \protected@xdef\@thanks{\@thanks
16283 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
16284 }
16285 \let\@thanks\@empty
16286 \def\RTLfootnotetext{%
16287 \@ifnextchar [\@xRTLfootnotenext
16288 {\protected@xdef\@thefnmark{\thempfn}%
16289 \@RTLfootnotetext}}
16290 \def\@xRTLfootnotenext[#1]{%
16291 \begingroup
16292 \csname c@\@mpfn\endcsname #1\relax
16293 \unrestored@protected@xdef\@thefnmark{\thempfn}%
16294 \endgroup
16295 \@RTLfootnotetext}
16296 \leftfootnoterule

```



96 File footnotebackref-xetex-bidi.def

```

16297 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnote]
16298 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
16299 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
16300
16301 \renewcommand*\LTRfootnote{%
16302     \refstepcounter{BackrefHyperFootnoteCounter}%
16303     \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
16304     \label{\BackrefFootnoteTag}%
16305     \@ifnextchar[\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote}
16306
16307 \renewcommand*\RTLfootnote{%
16308     \refstepcounter{BackrefHyperFootnoteCounter}%
16309     \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
16310     \label{\BackrefFootnoteTag}%
16311     \@ifnextchar[\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote}
16312 \newcommand\Backref@HyperLTRFootnote[1]{%
16313     \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
16314
16315 \newcommand\Backref@HyperRTLFootnote[1]{%
16316     \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
16317
16318 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
16319     \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
16320
16321 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
16322     \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
16323
16324 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
16325 \ifFootnoteBackref@numberlinked
16326 \renewcommand{\footfootmark}{%
16327     \ifdim\footmarkwidth < \z@
16328         \llap{\hb@xt@ -\footmarkwidth{%
16329             \hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16330             \hspace*{-\footmarkwidth}}}%
16331     \else
16332         \ifdim\footmarkwidth = \z@
16333             {\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16334         \else
16335             \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}
16336         \fi
16337     \fi}
16338 \renewcommand{\LTRfootfootmark}{%
16339     \ifdim\footmarkwidth < \z@
16340         \llap{\hb@xt@ -\footmarkwidth{%
16341             \hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16342             \hspace*{-\footmarkwidth}}}%
16343     \else
16344         \ifdim\footmarkwidth = \z@
16345             {\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16346         \else
16347             \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}
16348         \fi

```



```

16349 \fi}
16350 \renewcommand{\RTLfootfootmark}{%
16351 \ifdim\footmarkwidth < \z@
16352 \llap{\hb@xt@ -\footmarkwidth{%
16353 \hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16354 \hspace*{-\footmarkwidth}}}%
16355 \else
16356 \ifdim\footmarkwidth = \z@
16357 {\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16358 \else
16359 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16360 \fi
16361 \fi}
16362 \fi
16363 }

```

97 File framed-xetex-bidi.def

```

16364 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for xetex]
16365 \renewcommand\TitleBarFrame[3][\begingroup
16366 \ifx\delimiter#1\delimiter
16367 \let\TF@conlab\@empty
16368 \else
16369 \def\TF@conlab{% continuation label
16370 \nointerlineskip
16371 \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
16372 \fi
16373 %\let\TF@savecolor\current@color
16374 \textcolor{TFFrameColor}{%
16375 \CustomFBox
16376 {\TF@Title{#2}}{\TF@conlab}%
16377 \fbboxrule\fbboxrule\fbboxrule\fbboxrule
16378 %{\let\current@color\TF@savecolor\set@color #3}%
16379 {\normalcolor #3}%
16380 }\endgroup
16381 }
16382 \renewenvironment{titled-frame}[1]{%
16383 \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
16384 \TitleBarFrame{\textbf{#1}}}%
16385 \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
16386 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
16387 \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
16388 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}\ (cont)}}%
16389 \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
16390 \TitleBarFrame{\textbf{#1}\ (cont)}}}%
16391 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
16392 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
16393 % could interfere with the width measurement.
16394 {\endMakeFramed}
16395 \chardef\FrameRestore=\catcode`\| % for debug
16396 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
16397 \def\fb@put@frame#1#2{\relax
16398 \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
16399 | \message{===== Entering putframe =====}~J

```



```

16400 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
16401 | \ifinner
16402 | \fb@putboxa#1%
16403 | \fb@afterframe
16404 | \else
16405 | \dimen@ \pagegoal \advance \dimen@ - \pagetotal % natural space left on page
16406 | \ifdim \dimen@ < 2 \baselineskip % Too little room on page
16407 | \message{Page has only \the \dimen@ \space room left; eject. }%
16408 | \eject \fb@adjheight \fb@put@frame#1#2%
16409 | \else % there's appreciable room left on the page
16410 | \fb@sizeofframe#1%
16411 | \message{\string \pagetotal=\the \pagetotal,
16412 | \string \pagegoal=\the \pagegoal,
16413 | \string \pagestretch=\the \pagestretch,
16414 | \string \pageshrink=\the \pageshrink,
16415 | \string \fb@frh=\the \fb@frh. \space}
16416 | \message{^^JBox of size \the \ht \tempboxa \space}%
16417 | \begingroup % temporarily set \dimen@ to be...
16418 | \advance \dimen@ .8 \pageshrink % maximum space available on page
16419 | \advance \dimen@ - \fb@frh \relax % max space available for frame's contents
16420 |%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
16421 | \expandafter \endgroup
16422 | % expand \ifdim, then restore \dimen@ to real room left on page
16423 | \ifdim \dimen@ > \ht \tempboxa % whole box does fit
16424 | \message{fits in \the \dimen@. }%
16425 | % ToDo: Change this to use vsplit anyway to capture the marks
16426 | % MERGE THIS WITH THE else CLAUSE!!!
16427 | \fb@putboxa#1%
16428 | \fb@afterframe
16429 | \else % box must be split
16430 | \message{must be split to fit in \the \dimen@. }%
16431 | % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
16432 | \fb@sizeofframe#2%
16433 | \setbox \tempboxa \vbox{% simulate frame and flexibility of the page:
16434 | \vskip \fb@frh \@plus \pagestretch \@minus .8 \pageshrink
16435 | \kern 137sp \kern -137sp \penalty -30
16436 | \unvbox \tempboxa}%
16437 | \edef \fb@resto@set {\boxmaxdepth \the \boxmaxdepth
16438 | \splittopskip \the \splittopskip}%
16439 | \boxmaxdepth \z@ \splittopskip \z@
16440 | \message{^^JPadded box of size \the \ht \tempboxa \space split to \the \dimen@}%
16441 | % Split box here
16442 | \setbox \tw@ \vsplit \tempboxa to \dimen@
16443 | \toks99 \expandafter {\splitfirstmark}%
16444 | \toks98 \expandafter {\splitbotmark}%
16445 | \message{Marks are: \the \toks99, \the \toks98. }%
16446 | \setbox \tw@ \vbox {\unvbox \tw@}% natural-sized
16447 | \message{Natural height of split box is \the \ht \tw@, leaving
16448 | \the \ht \tempboxa \space remainder. }%
16449 | % If the split-to size > (\vsize - \topskip), then set box to full size.
16450 | \begingroup
16451 | \advance \dimen@ \topskip
16452 | \expandafter \endgroup
16453 | \ifdim \dimen@ > \pagegoal

```



```

16454 |         \message{Frame is big -- Use up the full column. }%
16455 |         \dimen@ii\pagegoal
16456 |         \advance\dimen@ii -\topskip
16457 |         \advance\dimen@ii \FrameHeightAdjust\relax
16458 |     \else % suspect this is implemented incorrectly:
16459 |         % If the split-to size > feasible room_on_page, rebox it smaller.
16460 |         \advance\dimen@.8\pageshrink
16461 |         \ifdim\ht\tw@>\dimen@
16462 |             \message{Box too tall; rebox it to \the\dimen@. }%
16463 |             \dimen@ii\dimen@
16464 |         \else % use natural size
16465 |             \dimen@ii\ht\tw@
16466 |         \fi
16467 |     \fi
16468 |     % Re-box contents to desired size \dimen@ii
16469 |     \advance\dimen@ii -\fb@frh
16470 |     \setbox\tw@\vbox to\dimen@ii \bgroup
16471 |     % remove simulated frame and page flexibility:
16472 |     \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
16473 |     \unvbox\tw@ \unpenalty\unpenalty
16474 |     \ifdim\lastkern=-137sp % whole box went to next page
16475 |         \message{box split at beginning! }%
16476 |         % need work here???
16477 |         \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
16478 |         \fb@adjheight
16479 |         \fb@put@frame#1#2% INSERTED ???
16480 |     \else % Got material split off at the head
16481 |         \egroup \fb@resto@set
16482 |         \ifvoid\@tempboxa % it all fit after all
16483 |             \message{box split at end! }%
16484 |             \setbox\@tempboxa\box\tw@
16485 |             \fb@putboxa#1%
16486 |             \fb@afterframe
16487 |         \else % it really did split
16488 |             \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
16489 |             \ifdim\wd\tw@>\z@
16490 |                 \wd\tw@\wd\@tempboxa
16491 |                 \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
16492 |             \else
16493 |                 \message{Zero width means likely blank. Don't frame it (guess)}%
16494 |                 \box\tw@
16495 |             \fi
16496 |             \hrule \@height\z@ \@width\hsize
16497 |             \eject
16498 |             \fb@adjheight
16499 |             \fb@put@frame\LastFrameCommand\MidFrameCommand
16500 |         \fi\fi\fi\fi\fi
16501 |     }
16502 | \def\fb@putboxa#1{%
16503 |     \ifvoid\@tempboxa
16504 |         \PackageWarning{framed}{Boxa is void -- discard it. }%
16505 |     \else
16506 |         \message{Frame and place boxa. }%
16507 |         %{\showoutput\showbox\@tempboxa}%

```



```

16508 \centerline{#1{\hboxL{\box\@tempboxa}}}%
16509 \fi
16510 }
16511 \catcode`\|=\FrameRestore
16512 \def\FrameRestore{%
16513 \let\if@nobreak\iffalse
16514 \let\if@noskipsec\iffalse
16515 \let\-\@dischyph
16516 \let'\@acci\let\`\@accii\let\=\@acciii
16517 % \message{FrameRestore:
16518 % \totalleftmargin=\the \totalleftmargin,
16519 % \rightmargin=\the\rightmargin,
16520 % \listdepth=\the\listdepth. }%
16521 % Test if we are in a list (or list-like paragraph)
16522 \ifnum \ifdim\totalleftmargin>\z@ 1\fi
16523 \ifdim\rightmargin>\z@ 1\fi
16524 \ifnum\listdepth>\z@ 1\fi 0>\z@
16525 % \message{In a list: \linewidth=\the\linewidth, \totalleftmargin=\the\totalleftmargin,
16526 % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
16527 % \labelwidth=\the\labelwidth. }%
16528 \@setminipage % snug fit around the item
16529 % Now try to propagate changes of width from \hsize to list parameters.
16530 % This is deficient, but a more advanced way to indicate modification to text
16531 % dimensions is not (yet) provided; in particular, no separate left/right
16532 % adjustment.
16533 \advance\linewidth-\columnwidth \advance\linewidth\hsize
16534 \parshape\@ne \totalleftmargin \linewidth
16535 \else % Not in list
16536 \linewidth=\hsize
16537 %\message{No list, set \string\linewidth=\the\hsize. }%
16538 \fi
16539 \sloppy
16540 }

```

98 File `ftnright-xetex-bidi.def`

```

16541 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
16542
16543 \def\prepare@bidi@copyins{%
16544 \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
16545 \global\skip\@bidi@copyins@\z@
16546 \global\count\@bidi@copyins@\z@
16547 \global\dimen\@bidi@copyins@\textheight}
16548
16549 \newskip\bidi@rcol@copyinsskip
16550
16551 \def\LTR@outputdblcol{%
16552 \if@firstcolumn
16553 \global\@firstcolumnfalse
16554 \global\setbox\@leftcolumn\copy\@outputbox
16555 \global\count\footins\@m
16556 \global\skip\footins\rcol@footinsskip
16557 \global\count\@bidi@copyins@\@m
16558 \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip

```



```

16559 \splitmaxdepth\maxdimen
16560 \vbadness\maxdimen
16561 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16562 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16563 \toks@\expandafter{\topmark}%
16564 \xdef\@firstcoltopmark{\the\toks@}%
16565 \toks@\expandafter{\splitfirstmark}%
16566 \xdef\@firstcolfirstmark{\the\toks@}%
16567 \ifx\@firstcolfirstmark\@empty
16568 \global\let\@setmarks\relax
16569 \else
16570 \gdef\@setmarks{%
16571 \let\firstmark\@firstcolfirstmark
16572 \let\topmark\@firstcoltopmark}%
16573 \fi
16574 \else
16575 \preparefootins
16576 \prepare@bidi@copyins
16577 \global\@firstcolumntrue
16578 \setbox\@outputbox\vbox{%
16579 \hb@xt@\textwidth{%
16580 \hb@xt@\columnwidth{%
16581 \bidi@firstcolumn@status@write%
16582 \box\@leftcolumn \hss}%
16583 \hfil
16584 {\normalcolor\vrule \@width\columnseprule}%
16585 \hfil
16586 \hb@xt@\columnwidth{%
16587 \bidi@lastcolumn@status@write%
16588 \box\@outputbox \hss}}}%
16589 \@combinedblfloats
16590 \@setmarks
16591 \@outputpage
16592 \begingroup
16593 \@dblfloatplacement
16594 \@startdblcolumn
16595 \@whilesw\if@fcolmade \fi{\@outputpage
16596 \@startdblcolumn}%
16597 \endgroup
16598 \fi}%
16599
16600 \def\RTL@outputdblcol{%
16601 \if@firstcolumn
16602 \global\@firstcolumnfalse
16603 \global\setbox\@leftcolumn\copy\@outputbox
16604 \global\count\footins\@m
16605 \global\skip\footins\rcol@footinsskip
16606 \global\count\@bidi@copyins\@m
16607 \global\skip\@bidi@copyins\@bidi@rcol@copyinsskip
16608 \splitmaxdepth\maxdimen
16609 \vbadness\maxdimen
16610 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16611 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16612 \toks@\expandafter{\topmark}%

```



```

16613 \xdef\@firstcoltopmark{\the\toks@}%
16614 \toks@\expandafter{\splitfirstmark}%
16615 \xdef\@firstcolfirstmark{\the\toks@}%
16616 \ifx\@firstcolfirstmark\@empty
16617 \global\let\@setmarks\relax
16618 \else
16619 \gdef\@setmarks{%
16620 \let\firstmark\@firstcolfirstmark
16621 \let\topmark\@firstcoltopmark}%
16622 \fi
16623 \else
16624 \preparefootins
16625 \prepare@bidi@copyins
16626 \global\@firstcolumntrue
16627 \setbox\@outputbox\vbox{%
16628 \hb@xt@\textwidth{%
16629 \hskip \columnwidth
16630 \hfil
16631 {\normalcolor\vrule \@width\columnseprule}%
16632 \hfil
16633 \hb@xt@\columnwidth{%
16634 \bidi@firstcolumn@status@write%
16635 \box\@leftcolumn \hss}%
16636 \hskip -\textwidth
16637 \hb@xt@\columnwidth{%
16638 \bidi@lastcolumn@status@write%
16639 \box\@outputbox \hss}%
16640 \hskip \columnsep
16641 \hskip \columnwidth }}%
16642 \@combinedblfloats
16643 \@setmarks
16644 \@outputpage
16645 \begin@group
16646 \@dblfloatplacement
16647 \@startdblcolumn
16648 \@whiles\if@colmade \fi{\@outputpage
16649 \@startdblcolumn}%
16650 \end@group
16651 \fi}%
16652
16653 \def\@startcolumn{%
16654 \ifx\@deferlist\@empty
16655 \global\@fcolmadefalse
16656 \global\@colroom\@colht
16657 \else
16658 \ifvoid\footins\else
16659 \ftn@amount\ht\footins
16660 \advance\ftn@amount\dp\footins
16661 \advance\ftn@amount\skip\footins
16662 \fi
16663 \ifvoid\@bidi@copyins\else
16664 \bidi@copyins@amount\ht\@bidi@copyins@
16665 \advance\bidi@copyins@amount\dp\@bidi@copyins@
16666 \advance\bidi@copyins@amount\skip\@bidi@copyins@

```



```

16667 \fi
16668 \global\advance\@colht-\ftn@amount
16669 \global\advance\@colht-\bidi@copyins@amount
16670 \global\@colroom\@colht
16671 \xstartcol
16672 \global\advance\@colht\ftn@amount
16673 \global\advance\@colroom\ftn@amount
16674 \global\advance\@colht\bidi@copyins@amount
16675 \global\advance\@colroom\bidi@copyins@amount
16676 \fi
16677 \if@fcolmade
16678 \setbox\@cclv\box\@outputbox
16679 \@makecol
16680 \else
16681 \ifvoid\footins\else
16682 \insert\footins{\unvbox\footins}\fi
16683 \ifvoid\@bidi@copyins@\else
16684 \insert\@bidi@copyins@{\unvbox\@bidi@copyins@}\fi
16685 \fi}
16686
16687 \newdimen\bidi@copyins@amount
16688
16689 \def\@makecol{\if@firstcolumn
16690 \setbox\@outputbox\box\@cclv
16691 \if@twocolumn \else
16692 \ifvoid\footins \else
16693 \latexerr{ftnright package
16694 used in one-column mode}%
16695 {The ftnright package was designed to
16696 work with LaTeX's standard^^Jtwocolumn
16697 option. It does *not* work with the
16698 multicol package.^^JSo please specify
16699 `twocolumn' in the
16700 \noexpand\documentclass command.}%
16701 \shipout\box\footins \fi
16702 \ifvoid\@bidi@copyins@ \else
16703 \latexerr{ftnright package
16704 used in one-column mode}%
16705 {The ftnright package was designed to
16706 work with LaTeX's standard^^Jtwocolumn
16707 option. It does *not* work with the
16708 multicol package.^^JSo please specify
16709 `twocolumn' in the
16710 \noexpand\documentclass command.}%
16711 \shipout\box\@bidi@copyins@ \fi\fi
16712 \ifnum\insertpenalties>\z@
16713 \latexerr{ftnright package
16714 scrambled footnotes}%
16715 {There is too much footnote material in
16716 the first column and ftnright^^Jis
16717 unable to cope with this.^^JYou need
16718 to reduce the amount to get a properly
16719 formatted page.}%
16720 \fi

```



```

16721 \else
16722 \ifvoid\footins
16723 \ifvoid\@bidi@copyins@
16724 \setbox\@outputbox\box\@cclv
16725 \else
16726 \setbox\@outputbox\vbox
16727 {\ifvoid\@cclv \else
16728 \unvbox\@cclv
16729 \vskip \skip\@bidi@copyins@
16730 \fi
16731 \color@begingroup
16732 \normalcolor
16733 \unvbox \@bidi@copyins@
16734 \color@endgroup}%
16735 \fi
16736 \else
16737 \setbox\@outputbox\vbox
16738 {\ifvoid\@cclv \else
16739 \unvbox\@cclv
16740 \vskip\skip\footins\fi
16741 \color@begingroup
16742 \normalcolor
16743 \footnoterule\unvbox\footins
16744 \color@endgroup
16745 \ifvoid\@bidi@copyins@
16746 \else
16747 \vskip \skip\@bidi@copyins@
16748 \color@begingroup
16749 \normalcolor
16750 \unvbox \@bidi@copyins@
16751 \color@endgroup
16752 \fi
16753 }%
16754 \fi
16755 \fi
16756 \xdef\@freelist{\@freelist\@midlist}%
16757 \global \let \@midlist \@empty
16758 \@combinefloats
16759 \ifvbox\@kludgeins
16760 \@makespecialcolbox
16761 \else
16762 \setbox\@outputbox\vbox to\@colht
16763 {\boxmaxdepth\maxdepth
16764 \@texttop
16765 \@tempdima\dp\@outputbox
16766 \unvbox\@outputbox
16767 \vskip-\@tempdima
16768 \@textbottom}%
16769 \fi
16770 \global\maxdepth\@maxdepth}
16771
16772 \let\leftfootnoterule\@empty
16773 \let\rightfootnoterule\@empty
16774 \let\textwidthfootnoterule\@empty

```



```

16775 \let\autofootnoterule\@empty
16776 \let\footnoterule\@empty
16777 \long\def\@makefnmark#1{\parindent 1em
16778   \noindent\hbox to 2em{}}%
16779   \llap{\@thefnmark\hbox{.}\,\,\,}#1}
16780
16781 \setlength{\skip\@bidi@copyins@}{
16782     {10pt plus 5pt minus 3pt}}
16783 \AtBeginDocument{\prepare\@bidi@copyins}

```

99 File `graphicx-xetex-bidi.def`

```

16784 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
16785 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
16786   \Grot@setangle{#1}%
16787   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
16788   \Grot@x\z@
16789   \Grot@y\z@
16790   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
16791 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16792   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
16793   \Grot@x\width \divide\Grot@x\tw@
16794   \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
16795   \setkeys{Grot}{#1}%
16796   \setbox\z@\box\@tempboxa
16797   \Grot@setangle{#2}%
16798   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16799   \@end@tempboxa}
16800 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16801   \leavevmode
16802   \def\Gscale@x{#1}\def\Gscale@y{#2}%
16803   \setbox\z@\hbox{{#3}}%
16804   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16805   \ifdim#2\p@<\z@
16806     \ht\tw@-#2\dp\z@
16807     \dp\tw@-#2\ht\z@
16808   \else
16809     \ht\tw@#2\ht\z@
16810     \dp\tw@#2\dp\z@
16811   \fi
16812   \ifdim#1\p@<\z@
16813     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
16814   \else
16815     \wd\tw@#1\wd\z@
16816     \box\tw@
16817   \fi\ifmmode\else\if@RTL\endL\fi\fi}
16818 \def\Gin@iii[#1,#2][#3,#4]#5{%
16819   \begingroup
16820   \ifmmode\else\if@RTL\beginL\fi\fi
16821   \Gin@bboxtrue
16822   \Gin@defaultbp\Gin@llx{#1}%
16823   \Gin@defaultbp\Gin@lly{#2}%
16824   \Gin@defaultbp\Gin@urx{#3}%
16825   \Gin@defaultbp\Gin@ury{#4}%

```



```

16826 \Ginclud@graphics{#5}%
16827 \ifmmode\else\if@RTL\endL\fi\fi
16828 \endgroup}
16829 \def\Gin@ii[#1]#2{%
16830   \def\@tempa{[]}\def\@tempb{#2}%
16831   \ifx\@tempa\@tempb
16832     \def\@tempa{\Gin@iii[#1] []}%
16833     \expandafter\@tempa
16834   \else
16835     \begingroup
16836       \ifmmode\else\if@RTL\beginL\fi\fi
16837       \@tempswafalse
16838       \toks@{\Ginclud@graphics{#2}}%
16839       \setkeys{Gin}{#1}%
16840       \Gin@esetsize
16841       \the\toks@
16842       \ifmmode\else\if@RTL\endL\fi\fi
16843     \endgroup
16844   \fi}
16845 \def\reflectbox{\bidiGscale@box-1[1]}
16846 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16847   \leavevmode
16848   \def\Gscale@x{#1}\def\Gscale@y{#2}%
16849   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
16850   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16851   \ifdim#2\p@<\z@
16852     \ht\tw@-#2\dp\z@
16853     \dp\tw@-#2\ht\z@
16854   \else
16855     \ht\tw@#2\ht\z@
16856     \dp\tw@#2\dp\z@
16857   \fi
16858   \ifdim#1\p@<\z@
16859     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@hss}%
16860   \else
16861     \wd\tw@#1\wd\z@
16862     \box\tw@
16863   \fi\ifmmode\else\if@RTL\endL\fi\fi}
16864 \def\scalebox#1{%
16865   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
16866 \def\resizebox{%
16867   \leavevmode
16868   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
16869 \def\bidiGscale@@box#1#2#3{%
16870   \let\@tempa\Gin@exclamation
16871   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
16872   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
16873   \ifx\@tempb\@tempa
16874     \ifx\@tempc\@tempa
16875       \toks@{\mbox}%
16876     \else
16877       \toks@{\bidiGscale@box@dd{#3}#1}%
16878     \fi
16879   \else

```



```

16880 \ifx\@tempc\@tempa
16881 \toks@{\bidiGscale@box@dd{#2}\width}%
16882 \else
16883 \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
16884 \fi
16885 \fi
16886 \the\toks@}
16887 \long\def\bidiGscale@box@dd#1#2#3{%
16888 \begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\fi}%
16889 \setlength\@tempdima{#1}%
16890 \setlength\@tempdimb{#2}%
16891 \Gscale@div\@tempa\@tempdima\@tempdimb
16892 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
16893 \end@tempboxa}
16894 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
16895 \begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\fi}%
16896 \setlength\@tempdima{#1}%
16897 \setlength\@tempdimb{#2}%
16898 \Gscale@div\@tempa\@tempdima\@tempdimb
16899 \setlength\@tempdima{#3}%
16900 \setlength\@tempdimb{#4}%
16901 \Gscale@div\@tempb\@tempdima\@tempdimb
16902 \ifGin@iso
16903 \ifdim\@tempa\p@>\@tempb\p@
16904 \let\@tempa\@tempb
16905 \else
16906 \let\@tempb\@tempa
16907 \fi
16908 \fi
16909 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
16910 \end@tempboxa}

```

100 File geometry-xetex-bidi.def

```

16911 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
16912 \renewcommand*{\Gm@vrules@mpi}{%
16913 \if@RTLmain%
16914 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
16915 \llap{\Gm@vrule}\ignorespaces
16916 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
16917 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
16918 \else%
16919 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
16920 \hskip \textwidth\Gm@vrule\hskip \marginparsep
16921 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
16922 \renewcommand*{\Gm@vrules@mpii}{%
16923 \if@RTLmain%
16924 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
16925 \hskip \textwidth\Gm@vrule\hskip \marginparsep
16926 \llap{\Gm@vrule}\hfil\Gm@vrule}%
16927 \else%
16928 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
16929 \llap{\Gm@vrule}\ignorespaces
16930 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep

```



```

16931 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
16932 \bidi@patchcmd{\Gm@pageframes}{%
16933 \ifodd\count\z@
16934 \let\@themargin\oddsidemargin
16935 \else
16936 \let\@themargin\evensidemargin
16937 \fi
16938 }{%
16939 \ifodd\count\z@
16940 \if@RTLmain
16941 \let\@themargin\evensidemargin
16942 \else
16943 \let\@themargin\oddsidemargin
16944 \fi
16945 \else
16946 \if@RTLmain
16947 \let\@themargin\oddsidemargin
16948 \else
16949 \let\@themargin\evensidemargin
16950 \fi
16951 \fi
16952 }{}{}

```

101 File hvfloat-xetex-bidi.def

```

16953 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package]
16954 \def\do@hvFloat[#1]#2#3{%
16955 \def\hv@shortCap{#1}
16956 \def\hv@longCap{#2}
16957 \def\hv@label{#3}
16958 %\newcommand*{\hvFloat}[5][[]]{%
16959 % [#1]: keyvalues
16960 % #2: type figure | table | ...
16961 % #3: float contents
16962 % [#4]: short caption
16963 % #5: caption
16964 % #6: label
16965 % \setDefaults%
16966 % \def\@tempa{#1}%
16967 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
16968 % \def\@tempa{90}%
16969 % \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
16970 % \else \setlength{\hvMaxCapWidth}{\linewidth}
16971 % \fi
16972 %
16973 % First we save the object in \hvObjectBox
16974 %
16975 % \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
16976 % \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
16977 % \else
16978 % \savebox{\hvObjectBox}{%
16979 % \rotatebox{\hvSet@objectAngle}{%
16980 % \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
16981 % \fi

```



```

16982 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
16983 %
16984 % Now we save the caption with its defined \hvCapWidth
16985 %
16986 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
16987 \else
16988 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
16989 \else
16990 \setlength{\hvCapWidth}{\hvObjectWidth}
16991 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
16992 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
16993 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
16994 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
16995 \else
16996 \setlength{\hvCapWidth}{\hvMaxCapWidth}
16997 \fi
16998 \fi
16999 \fi
17000 %
17001 % now we have the object and the caption with the right
17002 % rotated angles saved in boxes
17003 %
17004 \def\fps@figure{\hvSet@floatPos}
17005 \ifhv@nonFloat\begin{group}% Start the nonfloat part
17006 \else \begin{\hv@floatType}% Start the floating environment
17007 \fi%
17008 \saveCaptionSkip% we put this space ourselves
17009 \ifx\hvSet@capAngle\hv@Width % need rotation?
17010 \sbox{\hvCaptionBox}{%
17011 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
17012 \ifhv@nonFloat%
17013 \ifhv@onlyText#2%
17014 \else%
17015 \ifx\hv@floatType\hv@figure
17016 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
17017 \else
17018 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
17019 \fi
17020 \fi
17021 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
17022 \fi%
17023 \label{#3}%
17024 \end{minipage}%
17025 }%
17026 \else%
17027 \sbox{\hvCaptionBox}{%
17028 \rotatebox{\hvSet@capAngle}{%
17029 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
17030 \ifhv@nonFloat%
17031 \ifhv@onlyText#2%
17032 \else%
17033 \ifx\hv@floatType\hv@figure
17034 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
17035 \else

```



```

17036         \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
17037     \fi
17038 \fi
17039 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
17040     \fi%
17041     \label{#3}%
17042     \end{minipage}%
17043 }%
17044 }%
17045 \fi%
17046 %%
17047 \restoreCaptionSkip% save old values
17048 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
17049 \else%
17050     \ifx\hvSet@objectPos\hv@Center
17051         \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
17052     \fi%
17053 \fi%
17054 %
17055 % to rotate object and caption together, we save all in another box
17056 % the caption comes first, if its on the left or the top
17057 %
17058 \savebox{\@tempboxa}{%
17059 \ifx\hvSet@capPos\hv@Left % caption on left side
17060 \if@RTL%
17061 \ifx\hvSet@capVPos\hv@Center%
17062     \ifhv@fbox
17063         \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17064     \else
17065         \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17066     \fi%
17067     \hspace{\hvSet@floatCapSep pt}%
17068     \ifhv@fbox
17069         \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17070     \else
17071         \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17072     \fi%
17073 \else%
17074 \ifx\hvSet@capVPos\hv@Top
17075     \ifhv@fbox
17076         \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17077     \else
17078         \raisebox{-\height}{\usebox{\hvObjectBox}}%
17079     \fi%
17080     \hspace{\hvSet@floatCapSep pt}%
17081     \ifhv@fbox
17082         \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17083     \else
17084         \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17085     \fi
17086 \else
17087     \ifhv@fbox
17088         \fbox{\usebox{\hvObjectBox}}%
17089     \else

```



```

17090         \usebox{\hvObjectBox}%
17091     \fi
17092     \hspace{\hvSet@floatCapSep pt}%
17093     \ifhv@fbox
17094         \fbox{\usebox{\hvCaptionBox}}%
17095     \else
17096         \usebox{\hvCaptionBox}%
17097     \fi%
17098 \fi%
17099 \fi%
17100 \else% not RTL
17101     \ifx\hvSet@capVPos\hv@Center%
17102         \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17103     \else         \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
17104     \fi%
17105     \hspace{\hvSet@floatCapSep pt}% capfloatsep
17106     \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
17107 \else         \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17108 \fi%
17109 \else%
17110     \ifx\hvSet@capVPos\hv@Top % caption at top
17111         \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17112     \else         \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17113     \fi
17114     \hspace{\hvSet@floatCapSep pt}% capfloatsep
17115     \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17116 \else         \raisebox{-\height}{\usebox{\hvObjectBox}}%
17117 \fi%
17118 \else% caption on bottom
17119     \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
17120         \else\usebox{\hvCaptionBox}
17121     \fi%
17122     \hspace{\hvSet@floatCapSep pt}%
17123     \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
17124 \else         \usebox{\hvObjectBox}
17125 \fi%
17126 \fi%
17127 \fi% end of RTL
17128 \fi%
17129 \else
17130     \ifx\hvSet@capPos\hv@Top
17131         \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
17132             \begin{minipage}{\wd\hvCaptionBox}
17133         \else
17134             \begin{minipage}{\wd\hvObjectBox}
17135         \fi
17136         \centering
17137         \ifhv@fbox
17138             \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
17139             \fbox{\usebox{\hvObjectBox}}
17140         \else
17141             \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
17142             \usebox{\hvObjectBox}
17143         \fi%

```



```

17144 \end{minipage}
17145 \else
17146 \ifx\hvSet@capPos\hv@Bottom
17147 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
17148 \begin{minipage}{\wd\hvCaptionBox}
17149 \else
17150 \begin{minipage}{\wd\hvObjectBox}
17151 \fi
17152 \centering
17153 \ifhv@fbox
17154 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
17155 \fbox{\usebox{\hvCaptionBox}}
17156 \else
17157 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
17158 \usebox{\hvCaptionBox}
17159 \fi%
17160 \end{minipage}
17161 \else% the last option: put the caption on the right
17162 \if@RTL%
17163 \ifx\hvSet@capVPos\hv@Center%
17164 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17165 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
17166 \fi%
17167 \hspace{\hvSet@floatCapSep pt}% capfloatsep
17168 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17169 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17170 \fi%
17171 \else%
17172 \ifx\hvSet@capVPos\hv@Top % caption at top
17173 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17174 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17175 \fi
17176 \hspace{\hvSet@floatCapSep pt}% capfloatsep
17177 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17178 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
17179 \fi%
17180 \else% caption on bottom
17181 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
17182 \else\usebox{\hvCaptionBox}
17183 \fi%
17184 \hspace{\hvSet@floatCapSep pt}%
17185 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
17186 \else \usebox{\hvObjectBox}
17187 \fi%
17188 \fi%
17189 \fi%
17190 \else% not RTL
17191 \ifx\hvSet@capVPos\hv@Center%
17192 \ifhv@fbox
17193 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17194 \else
17195 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17196 \fi%
17197 \hspace{\hvSet@floatCapSep pt}%

```



```

17198 \ifhv@fbox
17199 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17200 \else
17201 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17202 \fi%
17203 \else%
17204 \ifx\hvSet@capVPos\hv@Top
17205 \ifhv@fbox
17206 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17207 \else
17208 \raisebox{-\height}{\usebox{\hvObjectBox}}%
17209 \fi%
17210 \hspace{\hvSet@floatCapSep pt}%
17211 \ifhv@fbox
17212 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17213 \else
17214 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17215 \fi
17216 \else
17217 \ifhv@fbox
17218 \fbox{\usebox{\hvObjectBox}}%
17219 \else
17220 \usebox{\hvObjectBox}%
17221 \fi
17222 \hspace{\hvSet@floatCapSep pt}%
17223 \ifhv@fbox
17224 \fbox{\usebox{\hvCaptionBox}}%
17225 \else
17226 \usebox{\hvCaptionBox}%
17227 \fi%
17228 \fi%
17229 \fi
17230 \fi% end of RTL
17231 \fi
17232 \fi
17233 \fi
17234 }% End savebox Object and caption
17235 %
17236 % now we rotate the object and caption, if needed
17237 %
17238 \ifx\hvSet@rotAngle\hv@Zero
17239 \usebox{\@tempboxa}
17240 \else
17241 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
17242 \fi
17243 \ifhv@nonFloat
17244 \ifx\hvSet@objectPos\hv@Center
17245 \ifhv@nonFloat
17246 \hspace{\fill}
17247 \fi
17248 \fi
17249 \endgroup% End the nonfloat part
17250 \else
17251 \end{\hv@floatType}% End the floating environment

```



```

17252 \fi
17253 }

```

102 File hyperref-xetex-bidi.def

```

17254 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref packag
17255 \AtBeginDocument{%
17256 \def\contentsline#1#2#3#4{%
17257   \ifx\#4\%
17258     \csname l@#1\endcsname{#2}{#3}%
17259   \else
17260     \ifcase\Hy@linktoc % none
17261       \csname l@#1\endcsname{#2}{#3}%
17262     \or % section
17263       \csname l@#1\endcsname{%
17264         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17265       }{#3}%
17266     \or % page
17267       \csname l@#1\endcsname{{#2}}{%
17268         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
17269       }%
17270     \else % all
17271       \csname l@#1\endcsname{%
17272         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17273       }{%
17274         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
17275       }%
17276     \fi
17277   \fi
17278 }
17279 \ifHy@hyperfootnotes
17280   \let\H@@footnotetext\@footnotetext
17281   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
17282   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
17283   \def\@xfootnotenext[#1]{%
17284     \begingroup
17285       \csname c@#1\endcsname #1\relax
17286       \unrestored@protected@xdef\@thefnmark{\thempfn}%
17287     \endgroup
17288     \ifx\@footnotetext\@mpfootnotetext
17289       \expandafter\H@@mpfootnotetext
17290     \else
17291       \expandafter\H@@footnotetext
17292     \fi
17293   }%
17294   \def\@xRTLfootnotenext[#1]{%
17295     \begingroup
17296       \csname c@#1\endcsname #1\relax
17297       \unrestored@protected@xdef\@thefnmark{\thempfn}%
17298     \endgroup
17299     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
17300       \expandafter\HRTL@mpRTLfootnotetext
17301     \else
17302       \expandafter\HRTL@RTLfootnotetext

```



```

17303 \fi
17304 }%
17305 \def\xLTRfootnotenext[#1]{%
17306 \begingroup
17307 \csname c@\mpfn\endcsname #1\relax
17308 \unrestored@protected@xdef\thefnmark{\thempfn}%
17309 \endgroup
17310 \ifx\xLTRfootnotetext\mpLTRfootnotetext
17311 \expandafter\HLTR@\mpLTRfootnotetext
17312 \else
17313 \expandafter\HLTR@\xLTRfootnotetext
17314 \fi
17315 }%
17316 \def\xfootnotemark[#1]{%
17317 \begingroup
17318 \c@footnote #1\relax
17319 \unrestored@protected@xdef\thefnmark{\thefootnote}%
17320 \endgroup
17321 \H@@footnotemark
17322 }%
17323 \let\H@@mpfootnotetext\mpfootnotetext
17324 \let\HRTL@\mpRTLfootnotetext\mpRTLfootnotetext
17325 \let\HLTR@\mpLTRfootnotetext\mpLTRfootnotetext
17326 \long\def\@mpfootnotetext#1{%
17327 \H@@mpfootnotetext{%
17328 \ifHy@nesting
17329 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17330 \else
17331 \Hy@raisedlink{%
17332 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17333 }#1%
17334 \fi
17335 }%
17336 }%
17337 \long\def\@mpRTLfootnotetext#1{%
17338 \HRTL@\mpRTLfootnotetext{%
17339 \ifHy@nesting
17340 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17341 \else
17342 \Hy@raisedlink{%
17343 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17344 }#1%
17345 \fi
17346 }%
17347 }%
17348 \long\def\@mpLTRfootnotetext#1{%
17349 \HLTR@\mpLTRfootnotetext{%
17350 \ifHy@nesting
17351 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17352 \else
17353 \Hy@raisedlink{%
17354 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17355 }#1%
17356 \fi

```



```

17357 }%
17358 }%
17359 \long\def\@footnotetext#1{%
17360 \H@@footnotetext{%
17361 \ifHy@nesting
17362 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17363 \else
17364 \Hy@raisedlink{%
17365 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17366 }%
17367 \let\@currentHlabel\Hy@footnote@currentHlabel
17368 \let\@currentHref\Hy@footnote@currentHref
17369 \let\@currentlabelname\@empty
17370 #1%
17371 \fi
17372 }%
17373 }%
17374 \long\def\@RTLfootnotetext#1{%
17375 \HRTL@RTLfootnotetext{%
17376 \ifHy@nesting
17377 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17378 \else
17379 \Hy@raisedlink{%
17380 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17381 }%
17382 \let\@currentHlabel\Hy@footnote@currentHlabel
17383 \let\@currentHref\Hy@footnote@currentHref
17384 \let\@currentlabelname\@empty
17385 #1%
17386 \fi
17387 }%
17388 }%
17389 \long\def\@LTRfootnotetext#1{%
17390 \HLTR@LTRfootnotetext{%
17391 \ifHy@nesting
17392 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17393 \else
17394 \Hy@raisedlink{%
17395 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17396 }%
17397 \let\@currentHlabel\Hy@footnote@currentHlabel
17398 \let\@currentHref\Hy@footnote@currentHref
17399 \let\@currentlabelname\@empty
17400 #1%
17401 \fi
17402 }%
17403 }%
17404 \@ifpackageloaded{tabularx}{%
17405 \let\HyOrg@TX@endtabularx\TX@endtabularx
17406 \def\Hy@tabularx@hook{%
17407 \let\@footnotetext\H@@footnotetext
17408 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
17409 \let\@RTLfootnotetext\HRTL@RTLfootnotetext
17410 \let\@footnotemark\H@@footnotemark

```



```

17411 \let\@mpfootnotetext\H@mpfootnotetext
17412 \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
17413 \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
17414 }%
17415 \begingroup
17416 \toks@{\expandafter{\TX@endtabularx}}%
17417 \xdef\Hy@gtemp{%
17418 \noexpand\Hy@tabularx@hook
17419 \the\toks@
17420 }%
17421 \endgroup
17422 \let\TX@endtabularx\Hy@gtemp
17423 }{}%
17424 \@ifpackageloaded{longtable}{%
17425 \CheckCommand*{\LT@p@LTRftntext}[1]{%
17426 \edef\@tempa{%
17427 \the\LT@p@ftn
17428 \noexpand\LTRfootnotetext[\the\c@footnote]}%
17429 }%
17430 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17431 }%
17432 \long\def\LT@p@LTRftntext#1{%
17433 \edef\@tempa{%
17434 \the\LT@p@ftn
17435 \begingroup
17436 \noexpand\c@footnote=\the\c@footnote\relax
17437 \noexpand\protected@xdef\noexpand\@thefnmark{%
17438 \noexpand\thempfn
17439 }%
17440 \noexpand\Hy@LT@LTRfootnotetext{%
17441 \Hy@footnote@currentHref
17442 }%
17443 }%
17444 \global\LT@p@ftn\expandafter{%
17445 \@tempa{#1}%
17446 \endgroup
17447 }%
17448 }%
17449 \long\def\Hy@LT@LTRfootnotetext#1#2{%
17450 \HLTR@@LTRfootnotetext{%
17451 \ifHy@nesting
17452 \hyper@@anchor{#1}{#2}%
17453 \else
17454 \Hy@raisedlink{%
17455 \hyper@@anchor{#1}{\relax}%
17456 }%
17457 \def\@currentHref{#1}%
17458 \let\@currentlabelname\@empty
17459 #2%
17460 \fi
17461 }%
17462 }%
17463 \CheckCommand*{\LT@p@RTLftntext}[1]{%
17464 \edef\@tempa{%

```



```

17465         \the\LT@p@ftn
17466         \noexpand\RTLfootnotetext[\the\c@footnote]%
17467     }%
17468     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17469 }%
17470 \long\def\LT@p@RTLftntext#1{%
17471     \edef\@tempa{%
17472         \the\LT@p@ftn
17473         \begingroup
17474         \noexpand\c@footnote=\the\c@footnote\relax
17475         \noexpand\protected@xdef\noexpand\@thefnmark{%
17476             \noexpand\thempfn
17477         }%
17478         \noexpand\Hy@LT@RTLfootnotetext{%
17479             \Hy@footnote@currentHref
17480         }%
17481     }%
17482     \global\LT@p@ftn\expandafter{%
17483         \@tempa{#1}%
17484     \endgroup
17485     }%
17486 }%
17487 \long\def\Hy@LT@RTLfootnotetext#1#2{%
17488     \HRTL@RTLfootnotetext{%
17489         \ifHy@nesting
17490             \hyper@@anchor{#1}{#2}%
17491         \else
17492             \Hy@raisedlink{%
17493                 \hyper@@anchor{#1}{\relax}%
17494             }%
17495             \def\@currentHref{#1}%
17496             \let\@currentlabelname\@empty
17497             #2%
17498         \fi
17499     }%
17500 }%
17501 }{}%
17502 \@ifpackageloaded{bidipoem}{%
17503     \long\def\bidipoem@p@ftntext#1{%
17504         \edef\@tempx{%
17505             \the\bidipoem@p@ftn
17506             \begingroup
17507             \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17508             \noexpand\protected@xdef\noexpand\@thefnmark{%
17509                 \noexpand\thempfn
17510             }%
17511             \noexpand\Hy@bidipoem@footnotetext{%
17512                 \Hy@footnote@currentHref
17513             }%
17514         }%
17515         \global\bidipoem@p@ftn\expandafter{%
17516             \@tempx{#1}%
17517         \endgroup
17518     }%

```



```

17519 }%
17520 \long\def\Hy@bidipoem@footnotetext#1#2{%
17521   \H@@footnotetext{%
17522     \ifHy@nesting
17523       \hyper@@anchor{#1}{#2}%
17524     \else
17525       \Hy@raisedlink{%
17526         \hyper@@anchor{#1}{\relax}%
17527       }%
17528       \def\@currentHref{#1}%
17529       \let\@currentlabelname\@empty
17530       #2%
17531     \fi
17532   }%
17533 }%
17534 \long\def\bidipoem@p@LTRftntext#1{%
17535   \edef\@tempxi{%
17536     \the\bidipoem@p@ftn
17537     \begingroup
17538       \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17539       \noexpand\protected@xdef\noexpand\@thefnmark{%
17540         \noexpand\thempfn
17541       }%
17542       \noexpand\Hy@bidipoem@LTRfootnotetext{%
17543         \Hy@footnote@currentHref
17544       }%
17545     }%
17546     \global\bidipoem@p@ftn\expandafter{%
17547       \@tempxi{#1}%
17548     \endgroup
17549   }%
17550 }%
17551 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
17552   \HLTR@@LTRfootnotetext{%
17553     \ifHy@nesting
17554       \hyper@@anchor{#1}{#2}%
17555     \else
17556       \Hy@raisedlink{%
17557         \hyper@@anchor{#1}{\relax}%
17558       }%
17559       \def\@currentHref{#1}%
17560       \let\@currentlabelname\@empty
17561       #2%
17562     \fi
17563   }%
17564 }%
17565 \long\def\bidipoem@p@RTLftntext#1{%
17566   \edef\@tempxi{%
17567     \the\bidipoem@p@ftn
17568     \begingroup
17569       \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17570       \noexpand\protected@xdef\noexpand\@thefnmark{%
17571         \noexpand\thempfn
17572       }%

```



```

17573         \noexpand\Hy@bidipoem@RTLfootnotetext{%
17574             \Hy@footnote@currentHref
17575         }%
17576     }%
17577     \global\bidipoem@p@ftn\expandafter{%
17578         \@tempxi{#1}%
17579     \endgroup
17580     }%
17581 }%
17582 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
17583     \HRTL@RTLfootnotetext{%
17584         \ifHy@nesting
17585             \hyper@@anchor{#1}{#2}%
17586         \else
17587             \Hy@raisedlink{%
17588                 \hyper@@anchor{#1}{\relax}%
17589             }%
17590             \def\@currentHref{#1}%
17591             \let\@currentlabelname\@empty
17592             #2%
17593         \fi
17594     }%
17595 }%
17596 }{}%
17597 \let\HyOrg@maketitle\maketitle
17598 \def\maketitle{%
17599     \let\Hy@saved@footnotemark\@footnotemark
17600     \let\Hy@saved@footnotetext\@footnotetext
17601     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
17602     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
17603     \let\@footnotemark\H@@footnotemark
17604     \let\@footnotetext\H@@footnotetext
17605     \let\@RTLfootnotetext\HRTL@RTLfootnotetext
17606     \let\@LTRfootnotetext\HLTR@LTRfootnotetext
17607     \@ifnextchar[\Hy@maketitle@optarg{% ]
17608         \HyOrg@maketitle
17609         \Hy@maketitle@end
17610     }%
17611 }%
17612 \def\Hy@maketitle@optarg[#1]{%
17613     \HyOrg@maketitle[{#1}]%
17614     \Hy@maketitle@end
17615 }%
17616 \def\Hy@maketitle@end{%
17617     \ifx\@footnotemark\H@@footnotemark
17618         \let\@footnotemark\Hy@saved@footnotemark
17619     \fi
17620     \ifx\@footnotetext\H@@footnotetext
17621         \let\@footnotetext\Hy@saved@footnotetext
17622     \fi
17623     \ifx\@RTLfootnotetext\HRTL@RTLfootnotetext
17624         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
17625     \fi
17626     \ifx\@LTRfootnotetext\HLTR@LTRfootnotetext

```



```

17627     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
17628     \fi
17629   }%
17630   \def\realfootnote{%
17631     \@ifnextchar[\@xfootnote{%
17632       \stepcounter{\@mpfn}%
17633       \protected@xdef\@thefnmark{\thempfn}%
17634       \H@@footnotemark\H@@footnotetext
17635     }%
17636   }%
17637   \fi
17638   \def\Hy@BeginAnnot#1{%
17639     \ifmmode\else\beginL\fi%
17640     \global\advance\c@Hy@AnnotLevel\@ne
17641     \ifnum\c@Hy@AnnotLevel=\@ne
17642       #1%
17643     \fi
17644   }
17645   \def\Hy@endAnnot{%
17646     \ifnum\c@Hy@AnnotLevel=\@ne
17647       \Hy@endcolorlink
17648       \@pdfm@mark{eann}%
17649     \fi
17650     \global\advance\c@Hy@AnnotLevel\m@ne
17651     \ifmmode\else\endL\fi%
17652   }
17653   \def\hyper@link#1#2#3{%
17654     \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi
17655   }
17656   \def\hyper@linkfile#1#2#3{%
17657     \leavevmode
17658     \Hy@BeginAnnot{%
17659       \def\Hy@pstringF{#2}%
17660       \Hy@CleanupFile\Hy@pstringF
17661       \Hy@pstringdef\Hy@pstringF\Hy@pstringF
17662       \Hy@pstringdef\Hy@pstringD{#3}%
17663       \Hy@MakeRemoteAction
17664       \@pdfm@mark{%
17665         bann<<%
17666         /Type/Annot%
17667         /Subtype/Link%
17668         \ifHy@pdfa /F 4\fi
17669         \Hy@setpdfborder
17670         \ifx\@filebordercolor\relax
17671         \else
17672           /C[\@filebordercolor]%
17673         \fi
17674         /A<<%
17675         /S/GoToR%
17676         /F(\Hy@pstringF)%
17677         /D%
17678         \ifx\@#3\%
17679           [\Hy@href@page\@pdfremotestartview]%
17680         \else

```



```

17681          (\Hy@pstringD)%
17682          \fi
17683          \Hy@SetNewWindow
17684          \Hy@href@nextactionraw
17685          >>%
17686          >>%
17687      }%
17688      \Hy@colorlink\@filecolor
17689  }%
17690  \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17691  \Hy@endAnnot
17692 }
17693 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
17694 \leavevmode
17695 \Hy@BeginAnnot{%
17696 \Hy@pstringdef\Hy@pstringF{#1}%
17697 \Hy@pstringdef\Hy@pstringP{#3}%
17698 \@pdfm@mark{%
17699 bann<<%
17700 /Type/Annot%
17701 /Subtype/Link%
17702 \ifHy@pdfa /F 4\fi
17703 \Hy@setpdfborder
17704 \ifx\@runbordercolor\relax
17705 \else
17706 /C[\@runbordercolor]%
17707 \fi
17708 /A<<%
17709 /F(\Hy@pstringF)%
17710 /S/Launch%
17711 \Hy@SetNewWindow
17712 \ifx\#3\%
17713 \else
17714 /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
17715 \fi
17716 \Hy@href@nextactionraw
17717 >>%
17718 >>%
17719 }%
17720 \Hy@colorlink\@runcolor
17721 }%
17722 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17723 \Hy@endAnnot
17724 }
17725 \def\hyper@linkurl#1#2{%
17726 \leavevmode
17727 \Hy@BeginAnnot{%
17728 \Hy@pstringdef\Hy@pstringURI{#2}%
17729 \@pdfm@mark{%
17730 bann<<%
17731 /Type/Annot%
17732 /Subtype/Link%
17733 \ifHy@pdfa /F 4\fi
17734 \Hy@setpdfborder

```



```

17735     \ifx\@urlbordercolor\relax
17736     \else
17737         /C[\@urlbordercolor]%
17738     \fi
17739     /A<<%
17740     /S/URI%
17741     /URI(\Hy@pstringURI)%
17742     \ifHy@href@ismap
17743         /IsMap true%
17744     \fi
17745     \Hy@href@nextactionraw
17746     >>%
17747     >>%
17748     }%
17749     \Hy@colorlink\@urlcolor
17750 }%
17751 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17752 \Hy@EndAnnot
17753 }
17754 \def\Acrobatmenu#1#2{%
17755     \Hy@Acrobatmenu{#1}{#2}{%
17756         \Hy@BeginAnnot{%
17757             \EdefEscapeName\Hy@temp@menu{#1}%
17758             \@pdfmark{%
17759                 bann<<%
17760                 /Type/Annot%
17761                 /Subtype/Link%
17762                 \ifHy@pdfa /F 4\fi
17763                 \Hy@setpdfborder
17764                 \ifx\@menubordercolor\relax
17765                     \else
17766                         /C[\@menubordercolor]%
17767                     \fi
17768                 /A<<%
17769                 /S/Named%
17770                 /N/\Hy@temp@menu
17771                 \Hy@href@nextactionraw
17772                 >>%
17773                 >>%
17774             }%
17775             \Hy@colorlink\@menucolor
17776         }%
17777         \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17778         \Hy@EndAnnot
17779     }%
17780 }
17781 \def\hyper@natlinkstart#1{%
17782     \Hy@backout{#1}%
17783     \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
17784     \def\hyper@nat@current{#1}%
17785 }
17786 \def\hyper@natlinkend{%
17787     \if@RTL\endR\fi\hyper@linkend
17788 }

```



```

17789 \def\hyper@natlinkbreak#1#2{%
17790   \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
17791 }%
17792 }
17793 \pdfstringdefDisableCommands{%
17794   \let\LRE\@firstofone
17795   \let\LR\@firstofone
17796   \let\RLE\@firstofone
17797   \let\RL\@firstofone
17798   \def\XeTeX{Xe\TeX}%
17799   \def\XeLaTeX{Xe\LaTeX}%
17800 }
17801 \@ifpackageloaded{longtable}{%
17802   \begingroup
17803     \def\y{\LT@array}%
17804     \@ifundefined{scr@LT@array}{%
17805       \@ifundefined{adl@LT@array}{%}{\def\y{\adl@LT@array}}}%
17806     }{\def\y{\scr@LT@array}}%
17807     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
17808       \expandafter\endgroup
17809       \expandafter\def\y[##1]##2{%
17810         \H@refstepcounter{#1}%
17811         \hyper@makecurrent{table}%
17812         \let\Hy@LT@currentHref\@currentHref
17813         #2\@sharp####4%
17814       }%
17815     }%
17816     \expandafter\expandafter\expandafter\x\y[##1][##2]\@nil
17817   \begingroup
17818     \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
17819       \endgroup
17820       \def\LT@start{%
17821         #1%
17822         \ifvoid\LT@foot#2\fi
17823         \let\@currentHref\Hy@LT@currentHref
17824         \Hy@raisedlink{%
17825           \hyper@anchorstart{\@currentHref}\hyper@anchorend
17826         }%
17827         #3%
17828       }%
17829     }%
17830   \expandafter\x\LT@start\@nil
17831 }{}
17832 \bidi@patchcmd\@TextField{%
17833   \@pdfmark
17834 }{}
17835   \if@RTL
17836     \hskip\Fld@width
17837   \fi
17838   \@pdfmark
17839 }{}{}
17840 \bidi@patchcmd\@TextField{%
17841   \unhbox
17842 }{}%

```



```

17843 \if@RTL
17844 \hskip-\Fld@width
17845 \fi
17846 \unhbox
17847 }{}{}
17848 \bidi@patchcmd\@@Radio{%
17849 \@pdfm@mark
17850 }{%
17851 \if@RTL
17852 \hskip\Fld@width
17853 \fi
17854 \@pdfm@mark
17855 }{}{}
17856 \bidi@patchcmd\@@Radio{%
17857 \unhcopy
17858 }{%
17859 \if@RTL
17860 \hskip-\Fld@width
17861 \fi
17862 \unhcopy
17863 }{}{}
17864 \bidi@patchcmd\@Submit{%
17865 \@pdfm@mark
17866 }{%
17867 \if@RTL
17868 \null
17869 \hskip\wd\pdfm@box
17870 \fi
17871 \@pdfm@mark
17872 }{}{}
17873 \bidi@patchcmd\@Submit{%
17874 \unhbox
17875 }{%
17876 \if@RTL
17877 \hskip-\wd\pdfm@box
17878 \fi
17879 \unhbox
17880 }{}{}
17881 \bidi@patchcmd\@Reset{%
17882 \@pdfm@mark
17883 }{%
17884 \if@RTL
17885 \null
17886 \hskip\wd\pdfm@box
17887 \fi
17888 \@pdfm@mark
17889 }{}{}
17890 \bidi@patchcmd\@Reset{%
17891 \unhbox
17892 }{%
17893 \if@RTL
17894 \hskip-\wd\pdfm@box
17895 \fi
17896 \unhbox

```



17897 }{}{}

103 File imspdoc-xetex-bidi.def

```
17898 \ProvidesFile{imspdoc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspdoc class fo
17899 \newenvironment{thebibliography}[1]{%
17900   \@bibtitlestyle
17901   \normalfont\bibliofont\labelsep .5em\relax
17902   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
17903   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17904   \bidi@thebibliography@font@hook
17905   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
17906     \leftmargin\labelwidth \advance\leftmargin\labelsep
17907     \usecounter{enumiv}}%
17908   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
17909   \sfcode\.\=\@m
17910 }{%
17911   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
17912   \endlist
17913 }
17914
17915 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
17916   \columnseprule\z@ \columnsep 35\p@
17917   \@indextitlestyle
17918   \thispagestyle{plain}%
17919   \let\item\@idxitem
17920   \parindent\z@ \parskip\z@\@plus.3\p@\relax
17921   \if@RTL\raggedleft\else\raggedright\fi
17922   \hyphenpenalty\@M
17923   \footnotesize}
17924 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
17925 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
17926 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
17927
17928 \def\right@footnoterule{%
17929   \kern-.4\p@
17930   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
17931   \kern11\p@\kern-\footnotesep}
17932 \def\left@footnoterule{\kern-.4\p@
17933   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
17934 \def\@makefnmark{%
17935   \leavevmode
17936   \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}
17937 }
17938
17939 \def\part{\@startsection{part}{0}%
17940   \z@\{\linespacing\@plus\linespacing\}.5\linespacing}%
17941   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
17942 \def\@tocline#1#2#3#4#5#6#7{\relax
17943   \ifnum #1>\c@tocdepth % then omit
17944   \else
17945     \par \addpenalty\@secpenalty\addvspace{#2}%
17946     \begingroup \hyphenpenalty\@M
17947     \@ifempty{#4}{%
```



```

17948 \@tempdima\csname r@tocindent\number#1\endcsname\relax
17949 }{%
17950 \@tempdima#4\relax
17951 }%
17952 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else
17953 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
17954 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
17955 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
17956 \nobreak
17957 \endgroup
17958 \fi}
17959 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
17960 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
17961 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
17962 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
17963 \def\maketitle{\par
17964 \@topnum\z@ % this prevents figures from falling at the top of page 1
17965 \@setcopyright
17966 \thispagestyle{firstpage}% this sets first page specifications
17967 \uppercase\nonmath\shorttitle
17968 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
17969 \else \andify\shortauthors
17970 \fi
17971 \@maketitle@hook
17972 \begingroup
17973 \@maketitle
17974 \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
17975 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
17976 \edef\@tempa{%
17977 \nx\markboth{\the\toks4
17978 \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
17979 \@tempa
17980 \endgroup
17981 \c@footnote\z@
17982 \@cleartopmattertags
17983 }

```

104 File leqno-xetex-bidi.def

```

17984 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
17985 \renewcommand\@eqnnum{\hbxt@.01\p{}}%
17986 \rlap{\hskip -\displaywidth
17987 {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR}}

```

105 File letter-xetex-bidi.def

```

17988 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
17989 \renewcommand*\@opening[1]{\ifx\@empty\fromaddress
17990 \thispagestyle{firstpage}%
17991 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}}%
17992 \else % home address
17993 \thispagestyle{empty}%
17994 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
17995 \fromaddress \*[2\parskip}%

```



```

17996      \@date \end{tabular}\par}%
17997      \fi
17998      \vspace{2\parskip}%
17999      {\if@RTL\raggedleft\else\raggedright\fi \toname \ \toaddress \par}%
18000      \vspace{2\parskip}%
18001      #1\par\nobreak}
18002 \renewcommand\left@footnoterule{%
18003   \kern-\p@
18004   \hrule \@width .4\columnwidth
18005   \kern .6\p@}
18006 \renewcommand\right@footnoterule{%
18007   \kern-\p@
18008   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18009   \kern .6\p@}

```

106 File lineno-xetex-bidi.def

```

18010 \ProvidesFile{lineno-xetex-bidi.def}[2024/12/07 v0.3 bidi adaptations for lineno package fo
18011 \bidi@patchcmd{\MakeLineNo}{%
18012   \hb@xt@\z@{\makeLineNumber}%
18013 }{%
18014   \hboxL to \z@{\makeLineNumber}%
18015 }{}{}
18016
18017 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
18018   \if@RTL
18019     \hb@xt@\linenumberwidth{\LineNumber\hss}%
18020   \else
18021     \LineNumber
18022   \fi
18023 }{}{}
18024
18025 \bidi@patchcmd{\makeLineNumberRight}{%
18026   \hb@xt@\linenumberwidth{\hss\LineNumber}%
18027 }{%
18028   \if@RTL
18029     \LineNumber
18030   \else
18031     \hb@xt@\linenumberwidth{\hss\LineNumber}%
18032   \fi
18033 }{}{}
18034
18035 \bidi@AfterPreamble{%
18036   \if@RTLmain
18037     \rightlinenumbers*
18038   \else
18039     \leftlinenumbers*
18040   \fi
18041   \@ifpackagewith{lineno}{left}{%
18042     \leftlinenumbers*
18043   }{}
18044   \@ifpackagewith{lineno}{right}{%
18045     \rightlinenumbers*
18046   }{}

```



```

18047 \@ifpackagewith{lineno}{switch}{%
18048   \if@RTLmain
18049     \switchlinenumbers*%
18050   \else
18051     \switchlinenumbers
18052   \fi
18053 }{}
18054 \@ifpackagewith{lineno}{switch*}{%
18055   \if@RTLmain
18056     \switchlinenumbers
18057   \else
18058     \switchlinenumbers*%
18059   \fi
18060 }{}
18061 }
18062

```

107 File listings-xetex-bidi.def

```

18063 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
18064 \lst@Key{captiondirection}{textdirection}{%
18065   \lstKV@SwitchCases{#1}%
18066   {textdirection:\\%
18067     RTL:\chardef\bidi@lst@caption@direction\@ne\\%
18068     LTR:\chardef\bidi@lst@caption@direction\z@%
18069   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
18070
18071 \lst@Key{captionscript}{textscript}{%
18072   \lstKV@SwitchCases{#1}%
18073   {textscript:\\%
18074     latin:\chardef\bidi@lst@caption@script\@ne\\%
18075     nonlatin:\chardef\bidi@lst@caption@script\z@%
18076   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
18077
18078 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
18079   \@ifundefined{bidi@lst@caption@direction}{%
18080     \ifnum\bidi@lst@caption@direction=\z@%
18081       #1%
18082     \else%
18083       \ifnum\bidi@lst@caption@direction=\@ne%
18084         #2%
18085       \fi%
18086     \fi%
18087   }}
18088
18089 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
18090   \@ifundefined{bidi@lst@caption@script}{%
18091     \ifnum\bidi@lst@caption@script=\z@%
18092       #1%
18093     \else%
18094       \ifnum\bidi@lst@caption@script=\@ne%
18095         #2%
18096       \fi%
18097     \fi%

```



```

18098 }}
18099
18100 \long\def\@bidi@lst@makecaption#1#2{%
18101   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
18102   \vskip\abovecaptionskip
18103   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18104   \sbox\@tempboxa{%
18105     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
18106     #1: #2%
18107     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
18108   }%
18109   \ifdim \wd\@tempboxa >\hsize
18110     #1: #2\par
18111   \else
18112     \global \@minipagefalse
18113     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
18114   \fi
18115   \vskip\belowcaptionskip}%
18116 \def\lst@makecaption{\@bidi@lst@makecaption}
18117 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
18118 \bidi@AtEndPreamble{%
18119 \bidi@patchcmd{\lst@MakeCaption}{%
18120   \ifx #1t%
18121     \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
18122       \expandafter\refstepcounter
18123     \fi {lstlisting}%
18124 }{%
18125   \ifx #1t%
18126     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18127     \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
18128       \expandafter\refstepcounter
18129     \fi {lstlisting}%
18130     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
18131 }{}{}%
18132 \bidi@patchcmd{\lst@MakeCaption}{%
18133   \addcontentsline{lol}{lstlisting}%
18134   {\protect\numberline{\thelstlisting}\lst@@caption}%
18135 }{}%
18136 \begingroup%
18137   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18138   \addcontentsline{lol}{lstlisting}%
18139   {\protect\numberline{\thelstlisting}\lst@@caption}%
18140 \endgroup%
18141 }{}{}%
18142 }
18143 \@ifpackageloaded{caption}{%
18144   \AtBeginCaption{%
18145     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
18146     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18147   }
18148   \let\@bidi@lst@makecaption\caption@makecaption%
18149   \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
18150   \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
18151 }{}%

```



```

18152 \AtBeginDocument{%
18153 \@ifundefined{captionlabelfalse}{\let\lst@ifnumberbychapter\iffalse}{%
18154 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
18155 \@ifundefined{caption@startrue}{\let\lst@ifnumberbychapter\iffalse}{%
18156 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
18157 }%
18158 }
18159 \AtBeginDocument{
18160 \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{%
18161 \lst@ifnumberbychapter
18162 \gdef\thelstlisting%
18163 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
18164 \else
18165 \gdef\thelstlisting{\@arabic\c@lstlisting}
18166 \fi}

```

108 File loadingorder-xetex-bidi.def

```

18167 \ProvidesFile{loadingorder-xetex-bidi.def}[2024/12/07 v0.98 making sure that bidi is the la
18168 \bidi@isloaded{amsmath}
18169 \bidi@isloaded{amstext}
18170 \bidi@isloaded{amsthm}
18171 \bidi@isloaded{animate}
18172 \bidi@isloaded{breqn}
18173 \bidi@isloaded{cals}
18174 \bidi@isloaded{caption}
18175 \bidi@isloaded{crop}
18176 \bidi@isloaded{cuted}
18177 \bidi@isloaded{cutwin}
18178 \bidi@isloaded{color}
18179 \bidi@isloaded{dblfnote}
18180 \bidi@isloaded{diagbox}
18181 \bidi@isloaded{xcolor}
18182 \bidi@isloaded{colortbl}
18183 \bidi@isloaded{float}
18184 \bidi@isloaded{floatrow}
18185 \bidi@isloaded{flowfram}
18186 \bidi@isloaded{framed}
18187 \bidi@isloaded{ftnright}
18188 \bidi@isloaded{xltextra}
18189 \bidi@isloaded{xunicode}
18190 \bidi@isloaded{wrapfig}
18191 \bidi@isloaded{graphicx}
18192 \bidi@isloaded{geometry}
18193 \bidi@isloaded{hvfloat}
18194 \bidi@isloaded{mdframed}
18195 \bidi@isloaded{midfloat}
18196 \bidi@isloaded{ntheorem}
18197 \bidi@isloaded{ntheorem-hyper}
18198 \bidi@isloaded{hyperref}
18199 \bidi@isloaded{fancybox}
18200 \bidi@isloaded{fancyhdr}
18201 \bidi@isloaded{fix2col}
18202 \bidi@isloaded{draftwatermark}

```



```

18203 \bidi@isloaded{empheq}
18204 \bidi@isloaded{overpic}
18205 \bidi@isloaded{pdfpages}
18206 \bidi@isloaded{listings}
18207 \bidi@isloaded{lineno}
18208 \bidi@isloaded{media9}
18209 \bidi@isloaded{pstricks}
18210 \bidi@isloaded{pgf}
18211 \bidi@isloaded{picinpar}
18212 \bidi@isloaded{quotchap}
18213 \bidi@isloaded{tikz}
18214 \bidi@isloaded{titlesec}
18215 \bidi@isloaded{titletoc}
18216 \bidi@isloaded{array}
18217 \bidi@isloaded{soul}
18218 \bidi@isloaded{stabular}
18219 \bidi@isloaded{subfig}
18220 \bidi@isloaded{subfigure}
18221 \bidi@isloaded{supertabular}
18222 \bidi@isloaded{xtab}
18223 \bidi@isloaded{longtable}
18224 \bidi@isloaded{arydshln}
18225 \bidi@isloaded{multicol}
18226 \bidi@isloaded{multienum}
18227 \bidi@isloaded{minitoc}
18228 \bidi@isloaded{natbib}
18229 \bidi@isloaded{newfloat}
18230 \bidi@isloaded{ragged2e}
18231 \bidi@isloaded{rotating}
18232 \bidi@isloaded{tbls}
18233 \bidi@isloaded{tabulary}
18234 \bidi@isloaded{tocbasic}
18235 \bidi@isloaded{tocstyle}
18236 \bidi@isloaded{tocbibind}
18237 \bidi@isloaded{fontspec}
18238 \bidi@isloaded{arabxetex}
18239 \bidi@isloaded{polyglossia}
18240 \bidi@isloaded{fancyvrb}
18241 \AtBeginDocument{
18242   \if@bidi@amsmathloaded@ \else
18243     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi pac
18244   \fi%
18245   \if@bidi@amstextloaded@ \else
18246     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi pac
18247   \fi%
18248   \if@bidi@amsthmloaded@ \else
18249     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi pack
18250   \fi%
18251   \if@bidi@animateloaded@ \else
18252     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi pac
18253   \fi%
18254   \if@bidi@breqnloaded@ \else
18255     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packa
18256   \fi%

```



```

18257 \if@bidi@calsloaded@else
18258 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi packag
18259 \fi%
18260 \if@bidi@captionloaded@else
18261 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi pac
18262 \fi%
18263 \if@bidi@croploaded@else
18264 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi packag
18265 \fi%
18266 \if@bidi@colorloaded@else
18267 \ifpackageloaded{hyperref}{}{%
18268 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi packa
18269 \fi%
18270 \if@bidi@cutwinloaded@else
18271 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi pack
18272 \fi%
18273 \if@bidi@cutedloaded@else
18274 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi packa
18275 \fi%
18276 \if@bidi@dblnfnotloaded@else
18277 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pa
18278 \fi%
18279 \if@bidi@diagboxloaded@else
18280 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi pac
18281 \fi%
18282 \if@bidi@xcolorloaded@else
18283 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi pack
18284 \fi%
18285 \if@bidi@colortblloaded@else
18286 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pa
18287 \fi%
18288 \if@bidi@floatloaded@else
18289 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packa
18290 \fi%
18291 \if@bidi@floatrowloaded@else
18292 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pa
18293 \fi%
18294 \if@bidi@flowframloaded@else
18295 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pa
18296 \fi%
18297 \if@bidi@framedloaded@else
18298 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi pack
18299 \fi%
18300 \if@bidi@ftnrightloaded@else
18301 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pa
18302 \fi%
18303 \if@bidi@xltxtalloaded@else
18304 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltextra after bidi pac
18305 \fi%
18306 \if@bidi@xunicodeloaded@else
18307 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pa
18308 \fi%
18309 \if@bidi@wrapfigloaded@else
18310 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pac

```



```

18311 \fi%
18312 \if@bidi@graphicxloaded@else
18313 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pa
18314 \fi%
18315 \if@bidi@geometryloaded@else
18316 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pa
18317 \fi%
18318 \if@bidi@hvfloatloaded@else
18319 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pac
18320 \fi%
18321 \if@bidi@mdframedloaded@else
18322 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pa
18323 \fi%
18324 \if@bidi@midfloatloaded@else
18325 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pa
18326 \fi%
18327 \if@bidi@ntheoremloaded@else
18328 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pa
18329 \fi%
18330 \if@bidi@hyperrefloaded@else
18331 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pa
18332 \fi%
18333 \if@bidi@fancyboxloaded@else
18334 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pa
18335 \fi%
18336 \if@bidi@fancyhdrloaded@else
18337 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pa
18338 \fi%
18339 \if@bidi@draftwatermarkloaded@else
18340 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after b
18341 \fi%
18342 \if@bidi@empheqloaded@else
18343 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi pack
18344 \fi%
18345 \if@bidi@overpicloaded@else
18346 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi pac
18347 \fi%
18348 \if@bidi@pdfpagesloaded@else
18349 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pa
18350 \fi%
18351 \if@bidi@linenoloaded@else
18352 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi pack
18353 \fi%
18354 \if@bidi@listingsloaded@else
18355 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pa
18356 \fi%
18357 \csname if@bidi@media9loaded@endcsname\else
18358 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi pack
18359 \fi%
18360 \if@bidi@pstricksloaded@else
18361 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pa
18362 \fi%
18363 \if@bidi@pgfloaded@else
18364 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package

```



```

18365 \fi%
18366 \if@bidi@picinparloaded@else
18367     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pa
18368 \fi%
18369 \if@bidi@quotchaploaded@else
18370     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pa
18371 \fi%
18372 \if@bidi@tikzloaded@else
18373     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi packag
18374 \fi%
18375 \if@bidi@titlesecloaded@else
18376     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pa
18377 \fi%
18378 \if@bidi@titletocloaded@else
18379     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pa
18380 \fi%
18381 \if@bidi@arrayloaded@else
18382     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi packa
18383 \fi%
18384 \if@bidi@stabularloaded@else
18385     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pa
18386 \fi%
18387 \if@bidi@soulloaded@else
18388     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi packag
18389 \fi%
18390 \if@bidi@subfigloaded@else
18391     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi pack
18392 \fi%
18393 \if@bidi@subfigureloaded@else
18394     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi p
18395 \fi%
18396 \if@bidi@supertabularloaded@else
18397     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bid
18398 \fi%
18399 \if@bidi@xtableloaded@else
18400     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi packag
18401 \fi%
18402 \if@bidi@longtableloaded@else
18403     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi p
18404 \fi%
18405 \if@bidi@arydshlnloaded@else
18406     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pa
18407 \fi%
18408 \if@bidi@multicolloaded@else
18409     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pa
18410 \fi%
18411 \if@bidi@multienumloaded@else
18412     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi p
18413 \fi%
18414 \if@bidi@minitocloaded@else
18415     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi pa
18416 \fi%
18417 \if@bidi@natbibloaded@else
18418     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi pack

```



```

18419 \fi%
18420 \if@bidi@newfloatloaded@else
18421 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pa
18422 \fi%
18423 \csname if@bidi@ragged2loaded@\endcsname\else
18424 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pa
18425 \fi%
18426 \if@bidi@rotatingloaded@else
18427 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pa
18428 \fi%
18429 \if@bidi@tblsloaded@else
18430 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi packa
18431 \fi%
18432 \if@bidi@tabularyloaded@else
18433 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pa
18434 \fi%
18435 \if@bidi@tocbasicloaded@else
18436 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi pa
18437 \fi%
18438 \if@bidi@tocstyleloaded@else
18439 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pa
18440 \fi%
18441 \if@bidi@tocbibindloaded@else
18442 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi p
18443 \fi%
18444 \if@bidi@fontspecloaded@else
18445 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pa
18446 \fi%
18447 \if@bidi@arabxetexloaded@else
18448 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi p
18449 \fi%
18450 \if@bidi@polyglossialoaded@else
18451 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi
18452 \fi%
18453 \if@bidi@fancyvrbloaded@else
18454 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pa
18455 \fi%
18456 }

```

109 File longtable-xetex-bidi.def

```

18457 \ProvidesFile{longtable-xetex-bidi.def}[2022/05/20 v0.6 bidi adaptations for longtable pack
18458 \def\LT@array[#1]#2{%
18459 \refstepcounter{table}\stepcounter{LT@tables}%
18460 \if l#1%
18461 \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
18462 \else\if r#1%
18463 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
18464 \else\if c#1%
18465 \LTleft\fill \LTright\fill
18466 \fi\fi\fi
18467 \let\LT@mc\multicolumn
18468 \let\LT@tabarray\@tabarray
18469 \let\LT@hline\hline

```



```

18470 \def\@tabarray{%
18471   \let\hline\LT@ohl
18472   \LT@@tabarray}%
18473 \let\\\LT@tabularcr\let\tabularnewline\\%
18474 \def\newpage{\noalign{\break}}%
18475 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
18476 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
18477 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
18478 \@tempdima\ht\strutbox
18479 \let\@endpbox\LT@endpbox
18480 \ifx\extrarowheight\@undefined
18481   \let\@acol\@tabacol
18482   \let\@classz\@tabclassz \let\@classiv\@tabclassiv
18483   \def\@startpbox{\vtop\LT@startpbox}%
18484   \let\@@startpbox\@startpbox
18485   \let\@@endpbox\@endpbox
18486   \let\LT@LL@FM@cr\@tabularcr
18487 \else
18488   \advance\@tempdima\extrarowheight
18489   \col@sep\tabcolsep
18490   \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
18491 \fi
18492 \setbox\@arstrutbox\hbox{\vrule
18493   \@height \arraystretch \@tempdima
18494   \@depth \arraystretch \dp \strutbox
18495   \@width \z@}%
18496 \let\@sharp#\let\protect\relax
18497 \begingroup
18498 \mkpream{#2}%
18499 \xdef\LT@bchunk{%
18500   \global\advance\c@LT@chunks\@ne
18501   \global\LT@rows\z@\setbox\z@\vbox\bgroup
18502   \LT@setprevdepth
18503   \tabskip\LTleft \noexpand\halign to\hsize\bgroup
18504   \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
18505 \endgroup
18506 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
18507 \LT@make@row
18508 \m@th\let\par\@empty
18509 \everycr{}\lineskip\z@ \baselineskip\z@
18510 \LT@bchunk}
18511 \def\LT@makecaption#1#2#3{%
18512   \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]{\LTcapwidth}%
18513     \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
18514     \ifdim\wd\@tempboxa>\hsize
18515       #1{#2: }#3%
18516     \else
18517       \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
18518     \fi
18519     \endgraf\vskip\baselineskip}%
18520   \hss}}
18521 \ifpackageloaded{caption}{%
18522   \renewcommand\LT@makecaption[3]{%
18523     \caption@LT@make{%

```



```

18524 \caption@LT@settype\LTcapttype
18525 \caption@LT@setup
18526 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
18527 \caption@starttrue#1\caption@starfalse
18528 \caption@prepare@stepcounter\LTcapttype
18529 \caption@begin\LTcapttype
18530 \caption@normalsize
18531 \vskip-\ht\strutbox
18532 \caption@ifdefined\FBifcapttop{%
18533 \let\caption@belowskip\@empty}{}%
18534 \caption@make@above
18535 \caption@@make{#2}{#3}\endgraf
18536 \caption@make@below
18537 \caption@end}}%
18538 }{}
18539 \def\LT@startpbox#1{%
18540 \bgroup\color@begingroup
18541 \let\@footnotetext\LT@p@ftntext
18542 \let\@LTRfootnotetext\LT@p@LTRftntext
18543 \let\@RTLfootnotetext\LT@p@RTLftntext
18544 \setlength\hsize{#1}%
18545 \@arrayparboxrestore
18546 \vrule \@height \ht\@arstrutbox \@width \z@}
18547 \def\LT@p@LTRftntext#1{%
18548 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}%
18549 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18550 \def\LT@p@RTLftntext#1{%
18551 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}%
18552 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18553
18554
18555 \def\LT@output{%
18556 \ifnum\outputpenalty <-\@Mi
18557 \ifnum\outputpenalty > -\LT@end@pen
18558 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
18559 \else
18560 \setbox\z@\vbox{\unvbox\@cclv}%
18561 \ifdim \ht\LT@lastfoot>\ht\LT@foot
18562 \dimen@\pagegoal
18563 \advance\dimen@-\ht\LT@lastfoot
18564 \ifdim\dimen@<\ht\z@
18565 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
18566 \@makecol
18567 \@outputpage
18568 \setbox\z@\vbox{\box\LT@head}%
18569 \fi
18570 \fi
18571 \global\@colroom\@colht
18572 \global\vsizel\@colht
18573 \vbox
18574 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@f
18575 \fi
18576 \else
18577 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@f

```



```

18578 \makecol
18579 \@outputpage
18580 \global\size\@colroom
18581 \copy\LT@head\nobreak
18582 \fi}

```

110 File `lscape-xetex-bidi.def`

```

18583 \ProvidesFile{lscape-xetex-bidi.def}[2022/07/14 v0.2 bidi adaptations for lscape package fo
18584 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
18585 \if@RTL
18586 \rotatebox[origin=br]{-90}{\box\@outputbox}%
18587 \else
18588 \rotatebox{90}{\box\@outputbox}%
18589 \fi
18590 }{}{}
18591
18592 \g@addto@macro{\landscape}{%
18593 \if@bidi@csdef{bidi@columnwidth}{%
18594 \bidi@columnwidth\columnwidth
18595 }{}%
18596 \let\bidi@left@footnoterule\left@footnoterule
18597 \let\bidi@right@footnoterule\right@footnoterule
18598 \def\left@footnoterule{%
18599 \if@RTL
18600 \bidi@right@footnoterule
18601 \else
18602 \bidi@left@footnoterule
18603 \fi
18604 }%
18605 \def\right@footnoterule{%
18606 \if@RTL
18607 \bidi@left@footnoterule
18608 \else
18609 \bidi@right@footnoterule
18610 \fi
18611 }%
18612 }

```

111 File `mathtools-xetex-bidi.def`

```

18613 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools pack
18614 \MHInternalSyntaxOn
18615 \def\MT_define_tagform:nwnn #1[#2]#3#4{
18616 \namedef{MT_tagform_#1:n}##1
18617 {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@@italiccorr#4
18618 }
18619 \renewtagform{default}{({})}
18620 \MHInternalSyntaxOff

```

112 File `mdframed-xetex-bidi.def`

```

18621 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed packag
18622 \newif\if@bidi@mdf@RTL

```



```

18623 \def\mdf@lrbox#1{%
18624   \mdf@patchamsthm%patch amsthm
18625   \if@RTL\@bidi@mdf@RTLtrue\fi%
18626   \@RTLfalse%
18627   \setbox#1\vbox\bgroup%
18628   \color@begingroup%
18629   \if@bidi@mdf@RTL\@RTLtrue\fi%
18630   \mdf@horizontalmargin@equation%
18631   \columnwidth=\hsize%
18632   \textwidth=\hsize%
18633   \let\if@nobreak\iffalse%
18634   \let\if@noskipsec\iffalse%
18635   \let\par\@par%
18636   \let\-\@dischph%
18637   \let\'\@acci\let\`\@accii\let\=\@acciii%
18638   \parindent\z@ \parskip\z@skip%
18639   \linewidth\hsize%
18640   \@totalleftmargin\z@%
18641   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
18642   \parfillskip\@flushglue \lineskip\normallineskip%
18643   \baselineskip\normalbaselineskip%
18644 %% \sloppy%
18645   \let\\\@normalcr%
18646   \mdf@par@local%New feature to restore parskip/parindent local in save box
18647   \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
18648   \@afterindentfalse%
18649   %\@afterheading%
18650 }
18651 \renewrobustcmd\mdfframedtitleenv[1]{%
18652   \mdf@lrbox{\mdf@frametitlebox}%
18653   \mdf@frametitlealignment%
18654   \leavevmode{\color{\mdf@frametitlefontcolor}%
18655     \normalfont\mdf@frametitlefont{#1}
18656     \ifbool{mdf@ignorerelatdescenders}%
18657       {%
18658         \par\strut\par
18659         \unskip\unskip\setbox0=\lastbox
18660         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
18661       }{}%
18662   \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
18663   \endmdf@lrbox\relax%
18664   \mdf@ignorevbadness%
18665   \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
18666   \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
18667   \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
18668   \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
18669   \mdfframetitleboxtotalheight=\dimexpr
18670     \ht\mdf@frametitlebox
18671     +\dp\mdf@frametitlebox%
18672     +\mdf@frametitleaboveskip@length
18673     +\mdf@frametitlebelowskip@length
18674   \relax%
18675 }
18676

```



```

18677 \renewrobustcmd*\mdf@footnoteoutput{%
18678     \ifvoid\@mpfootins\else%
18679         \nobreak%
18680         \vskip\mdf@footnotedistance@length%
18681         \normalcolor%
18682         \bidi@mpfootnoterule%
18683         \unvbox\@mpfootins%
18684     \fi%
18685 }
18686
18687
18688 \renewrobustcmd*\mdf@footnoteinput{%
18689     \def\@mpfn{mpfootnote}%
18690     \def\thempfn{\thempfootnote}%
18691     \c@mpfootnote\z@%
18692     \let\@footnotetext\@mpfootnotetext%
18693     \let\@LTRfootnotetext\@mpLTRfootnotetext%
18694     \let\@RTLfootnotetext\@mpRTLfootnotetext%
18695 }

```

113 File bidi-media9.sty

```

18696 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
18697 {bidi fixes for media9 package for the XeTeX engine}
18698
18699 \keys_define:nn{media9/mbtn}{
18700   draft .code:n = {},
18701   final .code:n = {},
18702
18703   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
18704   tooltip .value_required:n = {true},
18705
18706   overface .code:n = {
18707     \sbox\l_mix_poster_box{
18708       \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18709       \mix_pdfxform:n{\l_mix_poster_box}
18710       \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
18711     },
18712     overface .value_required:n = {true},
18713
18714     downface .code:n = {
18715       \sbox\l_mix_poster_box{
18716         \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18717         \mix_pdfxform:n{\l_mix_poster_box}
18718         \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
18719       },
18720       downface .value_required:n = {true},
18721
18722       3Dgotoview .code:n = {
18723         \tl_set:Nx\l_tmpa_tl{#1} %extract ref
18724         \regex_replace_once:nnN{([~:~]+)??.*}{\1}\l_tmpa_tl
18725         \tl_trim_spaces:N\l_tmpa_tl
18726         \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18727           \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{

```



```

18728 \tl_set:Nx\l_tmpb_tl{#1} %extract idx
18729 \regex_replace_once:nnN{[^\:]+\:~?}{\l_tmpb_tl
18730 \tl_trim_spaces:N\l_tmpb_tl
18731 \tl_if_blank:VF\l_tmpb_tl{
18732 \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
18733 \tl_set:Nx\l_mix_vidx_tl{/ \l_tmpb_tl}
18734 }{
18735 \regex_match:nVTF{^~\d+}$}\l_tmpb_tl{
18736 \tl_set:Nx\l_mix_vidx_tl{~ \l_tmpb_tl}
18737 }{
18738 \regex_replace_once:nnN{^~(\s*)}{\l_tmpb_tl
18739 \regex_replace_once:nnN{(\s*)$}{\l_tmpb_tl
18740 \tl_set:Nx\l_mix_vidx_tl{~ (\l_tmpb_tl)}
18741 }
18742 }
18743 }
18744 \mix_pdfobj:nnn{}{dict}{
18745 /S/JavaScript/JS~(
18746 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18747 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18748 annotRM['\l_tmpa_tl']=
18749 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18750 }
18751 annotRM['\l_tmpa_tl'].activated=true;
18752 )
18753 \tl_if_blank:VF\l_tmpb_tl{
18754 /Next~<<
18755 /S/GoTo3DView
18756 /TA~\tl_use:c{ann@\l_tmpa_tl}
18757 /V\l_mix_vidx_tl
18758 >>
18759 }
18760 }
18761 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18762 }
18763 }{
18764 \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
18765 \cs_if_exist:NF\g_mix_refundefwarned_tl{
18766 \tl_new:N\g_mix_refundefwarned_tl
18767 \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
18768 }
18769 }
18770 },
18771 3Dgotoview .value_required:n = {true},
18772
18773 mediacommand .code:n = {
18774 \tl_set:Nx\l_tmpa_tl{#1}
18775 \regex_replace_once:nnN{([^\:]+\:)?~?}{\1}\l_tmpa_tl %extract ref
18776 \tl_trim_spaces:N\l_tmpa_tl
18777 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18778 \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18779 \tl_set:Nx\l_tmpb_tl{#1}
18780 \regex_replace_once:nnN{[^\:]+\:~?}{\l_tmpb_tl
18781 \tl_trim_spaces:N\l_tmpb_tl

```



```

18782 \regex_replace_all:nnN{^{\|\\}$}{\l_tmpb_tl
18783 \tl_set:Nx\l_mix_cmd_tl{
18784   \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
18785 \tl_trim_spaces:N\l_mix_cmd_tl
18786 \tl_set:Nx\l_mix_arg_tl{
18787   \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
18788 \tl_trim_spaces:N\l_mix_arg_tl
18789 \mix_pdfobj:nnn{}{dict}{
18790   /S/JavaScript/JS~(
18791     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18792     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18793       annotRM['\l_tmpa_tl']=
18794       this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18795     }
18796     annotRM['\l_tmpa_tl'].activated=true;
18797   )
18798 \tl_if_blank:VF\l_mix_cmd_tl{
18799   /Next~<<
18800   /S/RichMediaExecute
18801   /TA~\tl_use:c{ann@\l_tmpa_tl}
18802   /TI~\tl_use:c{main@\l_tmpa_tl}
18803   /CMD~<<
18804   /C~(\l_mix_cmd_tl)
18805   \tl_if_blank:VF\l_mix_arg_tl{
18806     /A~[\l_mix_arg_tl]
18807   }
18808   >>
18809   >>
18810 }
18811 }
18812 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18813 }
18814 }{
18815   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
18816   \cs_if_exist:NF\g_mix_refundefwarned_tl{
18817     \tl_new:N\g_mix_refundefwarned_tl
18818     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18819   }
18820 }
18821 },
18822 mediacommand .value_required:n = {true},
18823
18824 jsaction .code:n = {
18825   \tl_set:Nx\l_tmpa_tl{#1}
18826   \regex_match:nVTF{^[^{:}]+:.*$}\l_tmpa_tl{
18827     \regex_replace_once:nnN{([~:]+):??.*}{\1}\l_tmpa_tl %extract ref
18828     \tl_trim_spaces:N\l_tmpa_tl
18829   }{\tl_clear:N\l_tmpa_tl}
18830   \tl_set:Nx\l_tmpb_tl{#1}
18831   \tl_if_blank:VF\l_tmpa_tl{
18832     \tl_if_exist:cF{ann@\l_tmpa_tl}{
18833       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
18834       \cs_if_exist:NF\g_mix_refundefwarned_tl{
18835         \tl_new:N\g_mix_refundefwarned_tl

```



```

18836         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
18837     }
18838 }
18839 \regex_replace_once:nnN{[^\:]+\:}{\l_tmpb_tl
18840 }
18841 \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
18842 \tl_trim_spaces:N\l_tmpb_tl
18843 \tl_if_blank:VF\l_tmpb_tl{
18844 \mix_pdfobj:nnn{}{dict}{
18845 /S/JavaScript/JS~(
18846 try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
18847 \bool_lazy_and:nnT{
18848 \tl_if_exist_p:c{ann@\l_tmpa_tl}
18849 }{
18850 !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
18851 }{
18852 \mix_pdfobj:nnn{}{dict}{
18853 /S/JavaScript/JS~(
18854 if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
18855 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18856 annotRM['\l_tmpa_tl']=
18857 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18858 }
18859 annotRM['\l_tmpa_tl'].activated=true;
18860 )
18861 \tl_if_blank:VF\l_tmpb_tl{Next~\mix_pdflastobj:}
18862 }
18863 }
18864 \bool_if:nT{
18865 \bool_lazy_and_p:nn{
18866 \tl_if_exist_p:c{ann@\l_tmpa_tl}
18867 }{
18868 !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
18869 }
18870 || !\tl_if_blank_p:V\l_tmpb_tl
18871 }{
18872 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18873 }
18874 },
18875 jsaction .value_required:n = {true},
18876
18877 unknown .code:n = {
18878 \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
18879 }
18880 }
18881
18882 \RenewDocumentCommand\includemedia{0{}mm}{%#1 options, #2 text/image #3 media file
18883 \mix_uriend:
18884 \group_begin:
18885 \mix_beginLTR:
18886 \mode_leave_vertical:
18887 %empty stream as appearance dummy
18888 \cs_if_exist:NF\g_mix_appearance_tl{
18889 \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}

```



```

18890     \mix_pdfxform:n{\l_mix_poster_box}
18891     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
18892 }
18893 \mix_reset:
18894 \mix_uribegin: %treat URI characters correctly
18895 \keys_set:nn{media9/user}{#1}
18896 \mix_uriend:
18897 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
18898 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
18899 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
18900 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
18901 \tl_gtrim_spaces:N\g_mix_flashvars_tl
18902
18903 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
18904
18905 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
18906 %\hbox_set:Nn\l_mix_poster_box{#2}
18907 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
18908 \mix_scale:n{\l_mix_poster_box}
18909 \bool_if:nT{
18910     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
18911     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
18912 }{
18913     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
18914 }
18915 \bool_if:NTF\g_mix_usrdraft_bool{
18916     \tl_if_empty:NF\g_mix_usrlabel_tl{
18917         \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
18918     }
18919     \tl_if_blank:oTF{#2}{
18920         \mix_uribegin: %treat URI characters correctly
18921         \mix_draftbox:n{\tl_to_str:n{#3}}
18922         \mix_uriend:
18923     }{
18924         \hbox_to_wd:nn{\g_mix_wd_tl}{
18925             \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
18926             \box_use:N\l_mix_poster_box\hss
18927         }
18928     }
18929 }{
18930     \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
18931         %attach script that switches off play button overlay upon activation
18932         \mix_pdfobj:nnn{}{stream}{
18933             {}{
18934                 var~ocgs=host.getOCGs(host.pageNum);
18935                 for(var~i=0;i<ocgs.length;i++){
18936                     if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
18937                         ocgs[i].state=false;
18938                     }
18939                 }
18940             }
18941         }
18942         \mix_pdfobj:nnn{}{dict}{
18943             /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)

```



```

18944     }
18945     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
18946     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
18947     %enforce plain playbutton overlay for XeTeX
18948     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
18949   }
18950   %embed main asset
18951   \mix_uribegin:
18952   \mix_embedasset:n{#3}
18953   \bool_if:nTF{
18954     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
18955   }{
18956     \bool_gset_true:N\g_mix_iiid_bool
18957     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
18958   }{
18959     \str_case_e:nnF{\l_mix_base_tl}{
18960       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
18961       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
18962       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
18963       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
18964       {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
18965       }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
18966     }
18967     \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
18968     \mix_uriend:
18969     %secondary assets (added by addresource)
18970     \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
18971     \seq_map_inline:Nn\g_mix_script_seq{
18972       \mix_embedasset:n{##1}
18973       \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
18974     }
18975     %attach 3D calculation script
18976     \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
18977       \mix_embedasset:n{3Dmenu.js}
18978       \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
18979     }
18980     %create 3D views from file (option 3Dviews)
18981     \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
18982       \tl_set:Nn\l_mix_level_tl{-1}
18983       \int_zero:N\l_mix_viewcnt_int
18984       \int_zero:N\l_mix_lineno_int
18985
18986       \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
18987       \ior_map_inline:Nn\l_mix_vfile_stream{
18988         \int_incr:N\l_mix_lineno_int
18989         \keys_set:nn{media9/views}{##1} %process input line
18990       }
18991       \ior_close:N\l_mix_vfile_stream
18992     }
18993     \bool_if:nT{ %create default 3D view if required
18994       \g_mix_iiid_bool &&
18995       (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
18996     }{
18997       \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl

```



```

18998 \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
18999 \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
19000 \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
19001 \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
19002 \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
19003 \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
19004
19005 \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
19006 \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
19007 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
19008 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
19009
19010 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
19011 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
19012 \tl_clear:N\l_mix_naarray_tl
19013
19014 \bool_if:NF\l_mix_ciiw_bool{
19015   \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
19016   \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
19017 }
19018
19019 \tl_clear:N\l_mix_naarray_tl
19020 \tl_clear:N\l_mix_saarray_tl
19021 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
19022
19023 \mix_view:n{Default}
19024 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
19025
19026 }
19027 \mix_pdfobj:nnn{}{dict}{
19028   /Type/RichMediaInstance
19029   /Subtype/\g_mix_mainassetsub_tl
19030   /Asset~\g_mix_mainasset_tl
19031   \bool_if:NF\g_mix_iiid_bool{
19032     /Params~<<
19033     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
19034       /Foreground
19035     }{
19036       /Background
19037     }
19038     \tl_if_blank:VF\g_mix_flashvars_tl{
19039       /FlashVars~(\g_mix_flashvars_tl)
19040     }
19041     >>
19042   }
19043 }
19044 \tl_if_empty:NF\g_mix_usrlabel_tl{
19045   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
19046 }
19047 \mix_pdfobj:nnn{}{dict}{
19048   /Type/RichMediaConfiguration
19049   /Subtype/\g_mix_mainassetsub_tl
19050   /Instances~[\mix_pdflastobj:]
19051 }

```



```

19052 \mix_pdfobj:nnn{}{dict}{
19053   /Type/RichMediaContent
19054   /Assets~<</Names~[\g_mix_assets_tl]>>
19055   /Configurations~[\mix_pdflastobj:]
19056   \bool_if:nT{
19057     \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
19058   }{
19059     /Views~[\l_mix_iiidviewarray_tl]
19060   }
19061 }
19062 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
19063 \bool_if:nT{
19064   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
19065 }{
19066   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
19067 }
19068 %determine floating window size
19069 \bool_if:NT\g_mix_opt_windowed_bool{
19070   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
19071 }
19072 \mix_pdfobj:nnn{}{dict}{
19073   /Activation~<<
19074   /Condition\g_mix_act_tl
19075   \bool_if:nT{
19076     \g_mix_iiid_bool &&
19077     !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
19078   }{%seems to work only with 3D content
19079     /Animation~<<
19080     /Subtype\g_mix_playtpe_tl
19081     /PlayCount~\g_mix_playcnt_tl
19082     /Speed~\g_mix_playspd_tl
19083     >>
19084   }
19085   \bool_if:nT{
19086     \g_mix_iiid_bool && (
19087       \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
19088     )
19089   }{/View~\l_mix_dfltview_tl}
19090   /Presentation~<<
19091   /Transparent~\g_mix_transp_tl
19092   \bool_if:NTF\g_mix_opt_windowed_bool{
19093     /Style/Windowed
19094     /Window~<<
19095     /Width~<</Default~\tl_mix_fltd>>
19096     /Height~<</Default~\tl_mix_fltht>>
19097     /Position~<<
19098     /HOffset~0/VOffset~0
19099     \str_case_e:nnF{\g_mix_winpos_tl}{
19100       {tl}{/VAlign/Near/HAlign/Near}
19101       {cl}{/VAlign/Center/HAlign/Near}
19102       {bl}{/VAlign/Far/HAlign/Near}
19103       {bc}{/VAlign/Far/HAlign/Center}
19104       {br}{/VAlign/Far/HAlign/Far}
19105       {cr}{/VAlign/Center/HAlign/Far}

```



```

19106         {tr}{/VAlign/Near/HAlign/Far}
19107         {tc}{/VAlign/Near/HAlign/Center}
19108         }{/HAlign/Center/VAlign/Center}
19109     >>
19110 >>
19111     }{
19112         /Style/Embedded
19113     }
19114     \bool_if:NTF\g_mix_iiid_bool{
19115         /Toolbar~\g_mix_tools_tl
19116         /NavigationPane~\g_mix_nav_tl
19117     }{
19118         /PassContextClick~\g_mix_contextclick_tl
19119     }
19120 >>
19121     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
19122 >>
19123     /Deactivation~<</Condition\g_mix_deact_tl>>
19124 }
19125 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
19126 \tl_if_empty:NF\g_mix_usrlabel_tl{
19127     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
19128 }
19129 % #1:width, #2:height, #3:depth, #4:content (key-value)
19130 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
19131     /Subtype/RichMedia
19132     /F~4
19133     /BS~<</W~0/S/S>>
19134     /Contents~(media-embedded-by-media9~[\g_mix_version_tl~(\g_mix_date_tl)])
19135     /NM~(\g_mix_label_tl)
19136     /AP~<</N~\g_mix_appearance_tl>>
19137     /RichMediaSettings~\l_mix_settings_tl
19138     /RichMediaContent~\l_mix_content_tl
19139 }
19140 \tl_if_empty:NF\g_mix_usrlabel_tl{
19141     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
19142     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
19143         \noexpand\the\g@mix@page@int}
19144 }
19145 \mix_pdfobj:nnn{}{dict}{
19146     /S/JavaScript/JS~(
19147         try{
19148             if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
19149             if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
19150                 annotRM['\g_mix_label_tl']=
19151                 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
19152             }
19153             \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
19154                 if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
19155                     var~ocgs=this.getOCGs(this.pageNum);
19156                     for(var~i=0;i<ocgs.length;i++){
19157                         if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
19158                             var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
19159                         }

```



```

19160         }
19161     }
19162     if(
19163         !annotRM['\g_mix_label_tl'].activated&&(
19164             app.viewerType=='Reader' ||
19165             app.viewerType=='Exchange' ||
19166             app.viewerType=='Exchange-Pro'
19167         )&&app.viewerVersion>=9
19168     ){
19169         ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
19170     }
19171 }
19172 }catch(e){}
19173 this.dirty=false;
19174 )
19175 }
19176 \mix_pdfannot:nnnn{0pt}{0pt}{0pt}{
19177     /Subtype/Widget
19178     /FT/Btn/Ff-65537/F-2
19179     /BS~<</W~0>>
19180     /T~(fd@{g_mix_label_tl}
19181     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
19182 }
19183 \mix_appendtofields:n{\mix_pdflastann:}
19184 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
19185 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
19186     \hbox_to_wd:nn{\g_mix_wd_tl}{
19187         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
19188     }
19189 }{%insert play button overlay
19190     \mix_insert_btnocg: %create OCG
19191     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@{g_mix_usrpbtn_tl @tl}
19192     \group_begin:
19193     \cs_if_exist:NT\textdir{\textdir TLT}
19194     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
19195     \box_move_down:nn{\g_mix_dp_tl}{
19196         \hbox_to_wd:nn{\g_mix_wd_tl}{
19197             \vbox_to_ht:nn{\g_mix_tt_tl}{
19198                 \vss
19199                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
19200                 \box_use:N\l_mix_pbtn_box
19201                 \ocgbase_oc_emc:
19202             }
19203         }
19204     }
19205     \group_end:
19206 }
19207 \int_gincr:N\g_mix_rmcnt_int
19208 }
19209 \mix_endLTR:
19210 \group_end:
19211 }
19212 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
19213 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}

```



```

19214
19215 \RenewDocumentCommand\mediabutton{0{m}}{%#1 options, #2 normal button text
19216 \mix_urriend:
19217 \group_begin:
19218 \mix_beginLTR:
19219 \mode_leave_vertical:
19220 %reset various variables
19221 \tl_gclear:N\g_mix_overbtn_tl
19222 \tl_gclear:N\g_mix_downbtn_tl
19223 \tl_gclear:N\g_mix_btnactions_tl
19224 \tl_gclear:N\g_mix_tooltip_tl
19225 %process options
19226 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
19227 \mix_uribegin: %treat URI characters correctly
19228 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
19229 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
19230 \mix_urriend:
19231 %normal button appearance
19232 %\hbox_set:Nn\l_mix_poster_box{#2}
19233 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
19234 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
19235 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
19236 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
19237 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
19238 \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{
19239 \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
19240 \mix_pdfxform:n{\l_mix_poster_box}
19241 \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
19242 %insert widget annotation
19243 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
19244 /Subtype/Widget
19245 /T~(mbtn@int_use:N\g_mix_mbtncnt_int)
19246 \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
19247 /FT/Btn/Ff-65536
19248 \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
19249 /AP~<<
19250 /N~\g_mix_normalbtn_tl
19251 \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
19252 \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
19253 >>
19254 /MK~<<
19255 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
19256 /I~\g_mix_normalbtn_tl
19257 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
19258 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
19259 >>
19260 /A~<<
19261 /S/JavaScript/JS~(app.focusRect=false;)
19262 %sequence of actions to perform
19263 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
19264 >>
19265 }
19266 \mix_appendtofields:n{\mix_pdflastann:}
19267 \hbox_to_wd:nn{\width}{

```



```

19268      \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
19269    }
19270    \int_gincr:N\g_mix_mbtncnt_int
19271  }
19272  \mix_endLTR:
19273  \group_end:
19274 }
19275 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
19276 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
19277

```

114 File memoir-xetex-bidi.def

```

19278 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for
19279 \renewcommand{\keepthetitle}{%
19280   \@bsmtitleempty
19281   \global\let\thanks\relax
19282   \global\let\LTRthanks\relax
19283   \global\let\RTLthanks\relax
19284   \global\let\and\relax
19285   \global\let\andnext\relax
19286   \global\let\@thanks\@empty
19287   \global\let\@title\@empty
19288   \global\let\@author\@empty
19289   \global\let\@date\@empty}
19290 \renewcommand{\maketitle}{\par
19291   \begingroup
19292     \@bsmarkseries
19293     \def\@makefnmark{\@textsuperscript{%
19294       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
19295     \long\def\@makefntext##1{\makethanksmark ##1}
19296     \if@twocolumn
19297       \ifnum \col@number=\@ne
19298         \@maketitle
19299       \else
19300         \twocolumn[\@maketitle]%
19301       \fi
19302     \else
19303       \ifdim\pagetotal>\z@
19304         \newpage
19305       \fi
19306       \global\@topnum\z@
19307       \@maketitle
19308     \fi
19309     \thispagestyle{title}\@thanks
19310   \endgroup
19311   \@bscontmark % \setcounter{footnote}{0}%
19312 }
19313 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
19314 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
19315 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
19316 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
19317 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
19318 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}

```



```

19319 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
19320 \renewcommand*{\thesubsection}{%
19321     \thesection\@SepMark\@arabic\c@subsection}
19322 \renewcommand*{\thesubsubsection}{%
19323     \thesubsection\@SepMark\@arabic\c@subsubsection}
19324 \renewcommand*{\theparagraph}{%
19325     \thesubsubsection\@SepMark\@arabic\c@paragraph}
19326 \renewcommand*{\thesubparagraph}{%
19327     \theparagraph\@SepMark\@arabic\c@subparagraph}
19328 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
19329 \renewcommand{\theequation}{%
19330     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
19331 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
19332 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
19333 \ifartopt
19334     \chapterstyle{article}
19335     \counterwithout{figure}{chapter}
19336     \counterwithout{table}{chapter}
19337     \counterwithout{footnote}{chapter}
19338     \counterwithout{equation}{chapter}
19339     \renewcommand{\chaptername}{\@}
19340     \renewcommand{\maketitlehookb}{%
19341         \vskip -1.5\topsep\vskip -1.5\partopsep}
19342     \renewcommand{\maketitlehookc}{%
19343         \vskip -1.5\topsep\vskip -1.5\partopsep}
19344 \fi
19345 \long\def\@makecaption#1#2{\let\@memtempa\relax
19346     \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
19347     \else \def\@memtempa{\vbox to\topskip{}}\fi
19348     \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
19349     \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
19350     \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
19351     \let\footnote\@contfnote
19352     \let\footnotemark\@contfmark
19353     \ifdim\wd\@tempboxa<\linewidth \centering \fi
19354     \if@contcw
19355         \centering
19356         \parbox{\@contcwidth}{%
19357             \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
19358         \fi
19359     \ifdim\wd\@tempboxa<\linewidth
19360         \@contpre
19361         {\@contnfont #1\@contdelim}\@memtempa
19362         {\@contcshortstyle \@conttfont #2\@contfinal\par}
19363     \else
19364         \if@conthang
19365             \sbox\@tempboxa{\@contnfont #1\@contdelim}
19366             \@contpre%
19367             {\@contcstyle\hangindent=\wd\@tempboxa
19368                 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
19369         \else
19370             \if@contindent
19371                 \@contpre%
19372                 {\@contnfont #1\@contdelim}\@memtempa

```



```

19373      {\@contcstyle\hangindent=\@contindw
19374      \hangafter=\@ne\@conttfont #2\@contfinal\par}% <- v1.4
19375      \else
19376      \@contpre%
19377      {\@contnfont #1\@contdelim}\@memtempa
19378      {\@contcstyle \@conttfont #2\@contfinal\par}
19379      \fi
19380      \fi
19381      \fi
19382      \@contpost
19383      \if@contcw
19384      \par
19385      } % end of the \parbox
19386      \fi
19387      \vskip\belowcaptionskip}
19388 \ifpackageloaded{caption}{%
19389 \AtBeginPackage{caption}{%
19390 \ClassWarningNoLine{memoir}{%
19391 You are using the caption package with the memoir \MessageBreak
19392 class. This may cause unexpected or inconsistent \MessageBreak
19393 results if you use any of memoir's captioning facilities}
19394
19395 \long\def\@makecaption##1##2{%
19396 \vskip\abovecaptionskip
19397 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
19398 \ifdim \wd\@tempboxa >\hsize
19399 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
19400 \else
19401 \global \@minipagefalse
19402 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
19403 \fi
19404 \vskip\belowcaptionskip}
19405
19406 \def\caption{%
19407 \ifx\@captive\@undefined
19408 \latex@error{\noexpand\caption outside float}\@ehd
19409 \expandafter\@gobble
19410 \else
19411 \refstepcounter\@captive
19412 \expandafter\@firstofone
19413 \fi
19414 {\@dblarg{\@caption\@captive}}}%
19415 }
19416
19417 \long\def\@caption##1[##2]##3{%
19418 \par
19419 \addcontentsline{\csname ext@##1\endcsname}{##1}%
19420 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}}%
19421 \begingroup
19422 \@parboxrestore
19423 \if@minipage
19424 \@setminipage
19425 \fi
19426 \normalsize

```



```

19427 \makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
19428 \endgroup}
19429 }}{}
19430 \renewenvironment{thebibliography}[1]{%
19431 \bibsection
19432 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
19433 \bidi@thebibliography@font@hook%
19434 \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

115 File midfloat-xetex-bidi.def

```

19435 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat packag
19436 \def\RTL\outputdblcol{%
19437 \if@firstcolumn
19438 \global \@firstcolumnfalse
19439 \global\setbox\@leftcolumn\copy\@outputbox
19440 \splitmaxdepth\maxdimen
19441 \vbadness\maxdimen
19442 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19443 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19444 \toks@\expandafter{\topmark}%
19445 \xdef\@firstcoltopmark{\the\toks@}%
19446 \toks@\expandafter{\splitfirstmark}%
19447 \xdef\@firstcolfirstmark{\the\toks@}%
19448 \ifx\@firstcolfirstmark\@empty
19449 \global\let\@setmarks\relax
19450 \else
19451 \gdef\@setmarks{%
19452 \let\firstmark\@firstcolfirstmark
19453 \let\topmark\@firstcoltopmark}%
19454 \fi
19455 \global\c@colht\@colht\global\c@advipersep\z@
19456 \ifnum\jua@sk>0
19457 \remove@strip\jua@sar
19458 \global\@colht\the\jua@pr
19459 \ifdim\right@cor>\z@
19460 \global\advance\@colht by\right@cor
19461 \fi
19462 \global\advance\@colht by\cor@height
19463 \global\cor@height=0pt
19464 \fi
19465 \global \setbox\@rightcolumn \vbox{}%
19466 \else
19467 \ifdim\c@colht>\@colht
19468 \@tempdima\@colht
19469 \ifdim\@colht>\z@
19470 \global\setbox\@rightcolumn \vbox{%
19471 \unvbox\@rightcolumn
19472 \vbox to\@tempdima{%
19473 \vskip\c@advipersep\unvbox\@outputbox}%
19474 \vskip\stripsep
19475 \vrule height\the\jua@ht width 0pt depth 0pt
19476 \vskip\stripsep
19477 }%

```



```

19478 \global\c@addvipersep\m@addvipersep
19479 \else
19480 \global\setbox\@rightcolumn \vbox{%
19481 \unvbox\@rightcolumn
19482 \vrule height\the\jua@ht width Opt depth Opt
19483 \vskip\stripsep
19484 }%
19485 \fi
19486 \ifnum\jua@sk>0
19487 \remove@strip\jua@sar
19488 \global\@colht\the\jua@pr
19489 \global\advance\@colht by -\ht\@rightcolumn
19490 \global\advance\@colht by\cor@height
19491 \global\cor@height=Opt
19492 \else
19493 \global\advance\c@colht by-\ht\@rightcolumn
19494 \global\@colht\c@colht
19495 \fi
19496 \else
19497 \global\@firstcolumntrue
19498 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19499 \unvbox\@rightcolumn
19500 \vskip\c@addvipersep
19501 \unvbox\@outputbox
19502 }%
19503 \setbox\@outputbox \vbox {%
19504 \hb@xt@\textwidth {%
19505 \hskip \columnwidth
19506 \hfil
19507 \vrule \@width\columnseprule
19508 \hfil
19509 \hb@xt@\columnwidth {%
19510 \bidi@firstcolumn@status@write%
19511 \box\@leftcolumn \hss}%
19512 \hskip-\textwidth
19513 \hb@xt@\columnwidth {%
19514 \bidi@lastcolumn@status@write%
19515 \box\@outputbox \hss}%
19516 \hskip\columnwidth
19517 \hskip\columnsep}%
19518 }%
19519 \@combinedblfloats
19520 \@setmarks
19521 \@outputpage
19522 \begingroup
19523 \@dblfloatplacement
19524 \@startdblcolumn
19525 \@whilesw\if@fcolmade \fi
19526 {\@outputpage
19527 \@startdblcolumn}%
19528 \endgroup
19529 \global\jua@sk=0\global\jua@sar={}
19530 \global\cor@height\z@\global\c@addvipersep\z@
19531 \fi

```



```

19532 \fi
19533 }
19534
19535
19536 \def\LTR@outputdblcol{%
19537 \if@firstcolumn
19538 \global \@firstcolumnfalse
19539 \global\setbox\@leftcolumn\copy\@outputbox
19540 \splitmaxdepth\maxdimen
19541 \vbadness\maxdimen
19542 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19543 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19544 \toks@\expandafter{\topmark}%
19545 \xdef\@firstcoltopmark{\the\toks@}%
19546 \toks@\expandafter{\splitfirstmark}%
19547 \xdef\@firstcolfirstmark{\the\toks@}%
19548 \ifx\@firstcolfirstmark\@empty
19549 \global\let\@setmarks\relax
19550 \else
19551 \gdef\@setmarks{%
19552 \let\firstmark\@firstcolfirstmark
19553 \let\topmark\@firstcoltopmark}%
19554 \fi
19555 \global\c@colht\@colht\global\c@advvipersep\z@
19556 \ifnum\jua@sk>0
19557 \remove@strip\jua@sar
19558 \global\@colht\the\jua@pr
19559 \ifdim\right@cor>\z@
19560 \global\advance\@colht by\right@cor
19561 \fi
19562 \global\advance\@colht by\cor@height
19563 \global\cor@height=0pt
19564 \fi
19565 \global\setbox\@rightcolumn\vbox{}%
19566 \else
19567 \ifdim\c@colht>\@colht
19568 \@tempdima\@colht
19569 \ifdim\@colht>\z@
19570 \global\setbox\@rightcolumn\vbox{%
19571 \unvbox\@rightcolumn
19572 \vbox to\@tempdima{%
19573 \vskip\c@advvipersep\unvbox\@outputbox}%
19574 \vskip\stripsep
19575 \vrule height\the\jua@ht width 0pt depth 0pt
19576 \vskip\stripsep
19577 }%
19578 \global\c@advvipersep\m@advvipersep
19579 \else
19580 \global\setbox\@rightcolumn\vbox{%
19581 \unvbox\@rightcolumn
19582 \vrule height\the\jua@ht width 0pt depth 0pt
19583 \vskip\stripsep
19584 }%
19585 \fi

```



```

19586         \ifnum\jua@sk>0
19587             \remove@strip\jua@sar
19588             \global\@colht\the\jua@pr
19589             \global\advance\@colht by -\ht\@rightcolumn
19590             \global\advance\@colht by\cor@height
19591             \global\cor@height=0pt
19592         \else
19593             \global\advance\c@colht by-\ht\@rightcolumn
19594             \global\@colht\c@colht
19595         \fi
19596     \else
19597         \global\@firstcolumntrue
19598         \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19599             \unvbox\@rightcolumn
19600             \vskip\c@addvipersep
19601             \unvbox\@outputbox
19602             }%
19603         \setbox\@outputbox \vbox {%
19604             \hb@xt@\textwidth {%
19605                 \hb@xt@\columnwidth {%
19606                     \bidi@firstcolumn@status@write%
19607                     \box\@leftcolumn \hss}%
19608                 \hfil
19609                 \vrule \@width\columnseprule
19610                 \hfil
19611                 \hb@xt@\columnwidth {%
19612                     \bidi@lastcolumn@status@write%
19613                     \box\@outputbox \hss}%
19614                 }%
19615             }%
19616         \@combinedblfloats
19617         \@setmarks
19618         \@outputpage
19619         \begingroup
19620             \@dblfloatplacement
19621             \@startdblcolumn
19622             \@whiles\if@fcolmade \fi
19623                 {\@outputpage
19624                     \@startdblcolumn}%
19625         \endgroup
19626         \global\jua@sk=0\global\jua@sar={}
19627         \global\cor@height\z@\global\c@addvipersep\z@
19628         \fi
19629     \fi
19630 }
19631
19632
19633 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
19634     \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\f
19635         \hsize\textwidth
19636         \@parboxrestore
19637         \col@number \@ne
19638         \vrule height\topskip width0pt depth0pt
19639 }

```



```

19640
19641 \def\endstrip{%
19642     \egroup\egroup
19643     \if@firstcolumn
19644         \ifdim\pagetotal>\z@
19645             \vskip\stripsep
19646             \global\ht@strip\pagegoal
19647             \global\advance\ht@strip by-\pagetotal
19648             \global\advance\ht@strip by-\stripsep
19649             \global\advance\ht@strip by-\ht\@viper
19650             \global\advance\ht@strip by-\stripsep
19651             \global\jua@ht=\ht\@viper
19652         \else
19653             \global\ht@strip\z@
19654         \fi
19655     \ifdim\ht@strip>\z@
19656         \unvbox\@viper
19657         \vskip\stripsep
19658         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
19659         \global\advance\jua@sk by1
19660     \else
19661         \@latex@error{Strip needs more place!}\@ehc
19662         \if@vihproof
19663             \framebox[\columnwidth]{??? Strip ???}%
19664         \fi
19665     \fi
19666 \else
19667     \@latex@error{Strip is used only on left column!}\@ehc
19668     \if@vihproof
19669         \framebox[\columnwidth]{??? Strip ???}%
19670     \fi
19671 \fi
19672 }

```

116 File minitoc-xetex-bidi.def

```

19673 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package]
19674 \def\@Undottedtocline#1#2#3#4#5{%
19675     \ifnum #1>\c@tocdepth\relax \else
19676         \vskip \z@ plus.2\p@
19677         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm
19678         \parindent #2\relax\@afterindenttrue
19679         \interlinepenalty\@M
19680         \leavevmode
19681         \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}}%
19682         \hskip -\if@RTL\righskip\else\leftskip\fi
19683         #4\nobreak\hfill \nobreak
19684         \null\par}%
19685     \fi}
19686 \def\@Undottedtocline#1#2#3#4#5{%
19687     \ifnum #1>\c@tocdepth\relax \else
19688         \vskip \z@ \@plus.2\p@
19689         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm
19690         \parindent #2\relax\@afterindenttrue

```



```

19691 \interlinepenalty\@M
19692 \leavevmode
19693 \@tempdima #3\relax
19694 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
19695 {\coffee@font #4}\nobreak \nobreak\null
19696 \par}%
19697 \fi}
19698 \def\@Undottedtoclinep#1#2#3#4#5{%
19699 \ifnum #1>\c@tocdepth\relax \else
19700 \vskip \z@ \@plus.2\p@
19701 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocdepth
19702 \parindent #2\relax\@afterindenttrue
19703 \interlinepenalty\@M
19704 \leavevmode
19705 \@tempdima #3\relax
19706 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
19707 {#4}\nobreak \hfill \nobreak\null
19708 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
19709 \par}%
19710 \fi}

```

117 File multicol-xetex-bidi.def

```

19711 \ProvidesFile{multicol-xetex-bidi.def}[2022/07/10 v1.4 bidi adaptations for multicol package]
19712 \def\page@sofar{%
19713 \process@cols\mult@rightbox
19714 {\ifvoid\count@
19715 \setbox\count@\hbox to\hsize{}}%
19716 \else
19717 \wd\count@\hsize
19718 \fi}%
19719 \count@\col@number \advance\count@\m@ne
19720 \mult@info\z@
19721 {Column spec: \the\full@width\space = indent
19722 + columns + sep =\MessageBreak
19723 \the\multicol@leftmargin\space
19724 + \the\col@number\space
19725 x \the\hsize\space
19726 + \the\count@\space
19727 x \the\columnsep
19728 }%
19729 \ifvmode\else\errmessage{Multicol Error}\fi
19730 \nointerlineskip
19731 \setbox\z@\hbox{\p}\global\dimen\tw@\dp\z@
19732 \moveright\multicol@leftmargin
19733 \hbox to\full@width{%
19734 \bidi@multicol@align@columns
19735 \rlap{\phantom p}}%
19736 }%
19737 \prevdepth\z@
19738 \kern-\dimen\tw@
19739 \ifdim\dimen\tw@ > \mc@gridwarn
19740 \PackageWarning{multicol}%
19741 {Very deep columns!\MessageBreak

```



```

19742      Grid alignment might be broken}%
19743 \fi
19744 }
19745 \def\LTR@column@boxes{%
19746   \process@cols\mult@firstbox{%
19747     \ifdim\dp\count@>\dimen\tw@
19748       \global\dimen\tw@\dp\count@ \fi
19749     \mc@col@status@write
19750     \box\count@
19751     \hss{\columnseprulecolor\vrule
19752       \@width\columnseprule}\hss}%
19753   \ifdim\dp\mult@rightbox>\dimen\tw@
19754     \global\dimen\tw@\dp\mult@rightbox \fi
19755   \mc@lastcol@status@write
19756   \box\mult@rightbox
19757 }
19758
19759 \def\RTL@column@boxes{%
19760   \process@cols\mult@firstbox{%
19761     \hskip\hsize
19762     \hss{\columnseprulecolor\vrule
19763       \@width\columnseprule}\hss
19764   }%
19765   \hskip\hsize
19766   \process@cols\mult@firstbox{%
19767     \ifdim\dp\count@>\dimen\tw@
19768       \global\dimen\tw@\dp\count@ \fi
19769     \hskip-\hsize
19770     \mc@col@status@write
19771     \box\count@
19772     \hskip-\hsize
19773     \hskip-\columnsep
19774   }%
19775   \ifdim\dp\mult@rightbox>\dimen\tw@
19776     \global\dimen\tw@\dp\mult@rightbox \fi
19777   \hskip-\hsize
19778   \mc@lastcol@status@write
19779   \box\mult@rightbox
19780   \hskip-\hsize
19781   \hskip\full@width
19782 }
19783
19784 \newcommand\RTLmulticolcolumns
19785   {\let\ bidi@multicol@align@columns
19786     \RTL@column@boxes}
19787 \newcommand\LTRmulticolcolumns
19788   {\let\ bidi@multicol@align@columns
19789     \LTR@column@boxes}
19790 \newcommand\ bidi@multicol@align@columns
19791   {\if RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
19792 \ bidi@AtEndPreamble{%
19793   \if@bidi@csdef{footinsv@1}{%
19794     \def\footnoterule{\kern-3\p@
19795       \hrule \@width \textwidth \kern 2.6\p@}%

```



```

19796 }{}%
19797 }
19798 \def\multicols#1{\col@number#1\relax
19799 \ifnum\col@number<\tw@
19800 \PackageWarning{multicol}%
19801 {Using `\'number\col@number'
19802 columns doesn't seem a good idea.^^J
19803 I therefore use two columns instead}%
19804 \col@number\tw@ \fi
19805 \ifnum\col@number>20
19806 \PackageError{multicol}%
19807 {Too many columns}%
19808 {Current implementation doesn't
19809 support more than 20 columns.%
19810 \MessageBreak
19811 I therefore use 20 columns instead}%
19812 \col@number20 \fi
19813 \ifx\@footnotetext\mult@footnotetext
19814 \else
19815 \let\orig@footnotetext\@footnotetext
19816 \let\@footnotetext\mult@footnotetext
19817 \fi
19818 \ifx\@LTRfootnotetext\mult@LTRfootnotetext
19819 \else
19820 \let\orig@LTRfootnotetext\@LTRfootnotetext
19821 \let\@LTRfootnotetext\mult@LTRfootnotetext
19822 \fi
19823 \ifx\@RTLfootnotetext\mult@RTLfootnotetext
19824 \else
19825 \let\orig@RTLfootnotetext\@RTLfootnotetext
19826 \let\@RTLfootnotetext\mult@RTLfootnotetext
19827 \fi
19828 \@ifnextchar[\mult@cols{\mult@cols[]}]
19829 \long\def\mult@footnotetext#1{\begingroup
19830 \hsize\textwidth
19831 \columnwidth\textwidth
19832 \orig@footnotetext{#1}\endgroup}
19833 \long\def\mult@LTRfootnotetext#1{\begingroup
19834 \hsize\textwidth
19835 \columnwidth\textwidth
19836 \orig@LTRfootnotetext{#1}\endgroup}
19837 \long\def\mult@RTLfootnotetext#1{\begingroup
19838 \hsize\textwidth
19839 \columnwidth\textwidth
19840 \orig@RTLfootnotetext{#1}\endgroup}
19841 \def\right@footnoterule{%
19842 \kern-3\p@
19843 \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
19844 \kern2.6\p@}
19845 \def\textwidth@footnoterule{\kern-3\p@
19846 \hrule \@width \textwidth \kern 2.6\p@}
19847 \def\bidi@leave@mult@copyins{%
19848 \advance\dimen@-\skip\@bidi@copyins@
19849 \advance\dimen@-\ht\@bidi@copyins@

```



```

19850 }
19851
19852 \bidi@AtEndPreamble{%
19853   \if@bidi@csundef{footinsv@1}{%
19854     \bidi@patchcmd{\multi@column@out}{%
19855       \ifvbox \@kludgeins
19856     }{%
19857       \ifvoid\@bidi@copyins@ \else
19858         \bidi@leave@mult@copyins
19859       \fi
19860       \ifvbox \@kludgeins
19861     }{}{}%
19862   }{}%
19863 }
19864
19865

```

118 File multienum-xetex-bidi.def

```

19866 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum pack
19867 \renewcommand{\itemx}[1]{\parbox[t]%
19868 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19869 \parbox[t]{\remainxx}{\bidi@raggedright #1}\par}%\smallskip
19870 \renewcommand{\itemxx}[2]{\parbox[t]%
19871 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19872 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19873 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19874 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
19875 \renewcommand{\itemxxx}[3]{\parbox[t]%
19876 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19877 \parbox[t]{.333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19878 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19879 \parbox[t]{0.333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
19880 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19881 \parbox[t]{0.333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
19882 \renewcommand{\itemxxxx}[4]{\parbox[t]%
19883 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19884 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19885 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19886 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
19887 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19888 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
19889 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19890 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
19891 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
19892 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19893 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
19894 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19895 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
19896 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19897 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
19898 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19899 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
19900 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

19901 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
19902 \renewcommand{\itemxox}[2]{\parbox[t]{%
19903 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19904 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
19905 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19906 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
19907 \renewcommand{\itemxox}[2]{\parbox[t]{%
19908 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19909 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
19910 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19911 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
19912 \renewcommand{\itemxox}[3]{\parbox[t]{%
19913 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19914 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
19915 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19916 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
19917 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19918 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
19919 \renewcommand{\itemxox}[3]{\parbox[t]{%
19920 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19921 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
19922 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19923 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
19924 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19925 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
19926 \renewcommand{\itemxox}[3]{\parbox[t]{%
19927 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19928 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
19929 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19930 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
19931 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19932 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

119 File natbib-xetex-bidi.def

```

19933 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package fo
19934 \renewenvironment{thebibliography}[1]{%
19935 \bibsection
19936 \parindent\z@
19937 \bibpreamble
19938 \bibfont
19939 \ifRTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
19940 \bidi@thebibliography@font@hook%
19941 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
19942 \ifNAT@openbib
19943 \renewcommand\newblock{\par}%
19944 \else
19945 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
19946 \fi
19947 \sloppy\clubpenalty4000\widowpenalty4000
19948 \sfcode`\.\@m
19949 \let\NAT@bibitem@first@sw\@firstoftwo
19950 \let\citeN\cite \let\shortcite\cite
19951 \let\citeasnoun\cite

```



```

19952 }{%
19953 \bibitem@fin
19954 \bibpostamble
19955 \def\@noitemerr{%
19956 \PackageWarning{natbib}{Empty `thebibliography' environment}%
19957 }%
19958 \endlist
19959 \bibcleanup
19960 }%

```

120 File newfloat-xetex-bidi.def

```

19961 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat packag
19962 \renewcommand*\newfloat@setwithin[2]{%
19963 \ifcsname c@chapter\endcsname
19964 \@removefromreset{#1}{chapter}%
19965 \fi
19966 \@removefromreset{#1}{section}%
19967 \edef\@tempa{#2}%
19968 \ifx\@tempa\@empty
19969 \def\@tempa{none}%
19970 \fi
19971 \def\@tempb{none}%
19972 \ifx\@tempa\@tempb
19973 \ifcsname c@chapter\endcsname
19974 \@chapterlistsgap@off{#1}%
19975 \fi
19976 \newfloat@@setwithin{#1}{-}{-}%
19977 \else
19978 \def\@tempb{chapter}%
19979 \ifx\@tempa\@tempb
19980 \@addtoreset{#1}{chapter}%
19981 \@chapterlistsgap@on{#1}%
19982 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@
19983 \else
19984 \def\@tempb{section}%
19985 \ifx\@tempa\@tempb
19986 \@addtoreset{#1}{section}%
19987 \ifcsname c@chapter\endcsname
19988 \@addtoreset{#1}{chapter}%
19989 \@chapterlistsgap@on{#1}%
19990 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
19991 \else
19992 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsecti
19993 \fi
19994 \else
19995 \newfloat@Error{Invalid value `#2' for option `within'}%
19996 \fi
19997 \fi
19998 \fi}

```

121 File nicematrix-xetex-bidi.def

```

19999 \ProvidesFile{nicematrix-xetex-bidi.def}[2022/07/18 v0.2 bidi adaptations for nicematrix pa

```



```

20000 \ExplSyntaxOn
20001 \bidi@patchcmd{\__nicematrix_array:n}{\@tabarray}{%
20002   \bool_if:NF \l__nicematrix_NiceTabular_bool \@RTLtabfalse
20003   \@tabarray
20004 }{}{}
20005 \ExplSyntaxOff
20006

```

122 File ntheorem-xetex-bidi.def

```

20007 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
20008 \gdef\@thm#1#2#3{%
20009   \if@thmmarks
20010     \stepcounter{end\InTheoType ctr}%
20011   \fi
20012   \renewcommand{\InTheoType}{#1}%
20013   \if@thmmarks
20014     \stepcounter{curr#1ctr}%
20015     \setcounter{end#1ctr}{0}%
20016   \fi
20017   \refstepcounter{#2}%
20018   \theorem@prework
20019   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
20020   \ifvmode \advance\thm@topsepadd\partopsep\fi
20021   \trivlist
20022   \@topsep \theorempreskipamount
20023   \@topsepadd \thm@topsepadd % used by \@endparenv
20024   \advance\linewidth -\theorem@indent
20025   \advance\@totalleftmargin \theorem@indent
20026   \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
20027   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

123 File ntheorem-hyper-xetex-bidi.def

```

20028 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
20029 \gdef\@thm#1#2#3{%
20030   \if@thmmarks
20031     \stepcounter{end\InTheoType ctr}%
20032   \fi
20033   \renewcommand{\InTheoType}{#1}%
20034   \if@thmmarks
20035     \stepcounter{curr#1ctr}%
20036     \setcounter{end#1ctr}{0}%
20037   \fi
20038   \refstepcounter{#2}%
20039   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
20040   \ifvmode \advance\thm@topsepadd\partopsep\fi
20041   \trivlist
20042   \@topsep \theorempreskipamount
20043   \@topsepadd \thm@topsepadd % used by \@endparenv
20044   \advance\linewidth -\theorem@indent
20045   \advance\@totalleftmargin \theorem@indent
20046   \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
20047   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```



124 File overpic-xetex-bidi.def

```
20048 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package]
20049 \renewenvironment{overpic}[2] [] {%
20050   \sbox{z@}{\includegraphics[#1]{#2}}%
20051   \settodepth{\@tempcnta}{\usebox{z@}}%
20052   \settoheight{\@tempcntb}{\usebox{z@}}%
20053   \advance\@tempcntb\@tempcnta%
20054   \settowidth{\@tempcnta}{\usebox{z@}}%
20055   \setlength{\@tempdima}{\unitlength}%
20056   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
20057 %
20058   \OVP@calc%
20059 %
20060   \begin{picture}(\@tempcnta,\@tempcntb)%
20061     \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{z@}}}%
20062     \ifGin@grid%
20063       \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
20064         \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
20065     \fi\fi%
20066     % reset the graphics parameter
20067     \let\Gin@outer@scalex\relax
20068     \let\Gin@outer@scaley\relax
20069     \let\Gin@angle\relax
20070     \let\Gin@ewidth\Gin@exclamation
20071     \let\Gin@eheight\Gin@ewidth
20072     \def\Gin@scalex{1}
20073     \let\Gin@scaley\Gin@exclamation
20074   }{%
20075     \ifRTL\ifGin@grid%
20076       \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
20077         \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
20078     \fi%
20079     \put(0,0){\makebox(0,0)[bl]{\usebox{z@}}}\fi%
20080   \end{picture}%
20081 }%
```

125 File pdfbase-xetex-bidi.def

```
20082 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package]
20083 \ExplSyntaxOn
20084 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
20085 \cs_set_nopar:Npn\@outputpage{
20086   \int_gincr:N\g_pbs_page_int
20087   \box_if_vertical:cTF{\@outputbox}{
20088     \bool_set_true:N\l_pbs_is_vertical_bool
20089   }{
20090     \bool_set_false:N\l_pbs_is_vertical_bool
20091   }
20092   \hbox_set:Nn\@outputbox{
20093     %begin of page
20094     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
20095     \box_use_drop:N\@outputbox
20096     %end of page
```



```

20097 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
20098 }
20099 \bool_if:NT\l_pbs_is_vertical_bool{
20100 \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
20101 }
20102 \pbs_outputpage_orig:
20103 }
20104 \ExplSyntaxOff

```

126 File pdfscape-xetex-bidi.def

```

20105 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape pack
20106 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
20107 \if@RTL
20108 \PLS@Rotate{-90}%
20109 \else
20110 \PLS@Rotate{90}%
20111 \fi
20112 }{}{}

```

127 File pdfpages-xetex-bidi.def

```

20113 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages packag
20114 \renewcommand*{\includepdf}[2] [] {%
20115 \begingroup
20116 \@RTLfalse
20117 \let\AM@threadname\relax
20118 \AM@split@options{pdfpages}{#1}%
20119 \edef\AM@temp{\pdfpages{\the\@temptokena}}%
20120 \expandafter\setkeys\AM@temp
20121 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
20122 \let\AM@currentdocname\relax
20123 \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
20124 \def\AM@pagecount{0}%
20125 }{%
20126 \AM@findfile{#2}%
20127 \if\AM@threadname\relax
20128 \def\AM@threadname{\AM@currentdocname}%
20129 \fi
20130 }%
20131 \ifAM@survey
20132 \def\AM@pagestemp{%
20133 \@tempcnta=0
20134 \def\foo{%
20135 \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
20136 {\let\foo\relax}
20137 {\expandafter\ifx\expandafter\\AM@pagestemp\\
20138 \edef\AM@pagestemp{%
20139 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
20140 \else
20141 \edef\AM@pagestemp{\AM@pagestemp,%
20142 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
20143 \fi
20144 \advance\@tempcnta 1\relax

```



```

20145         }%
20146         \foo
20147     }%
20148     \foo
20149     \expandafter\ifx\expandafter\\AM@pagetemp\\
20150     \def\AM@pagetemp{1}%
20151     \fi
20152 \fi
20153 \ifAM@output
20154     \expandafter\AM@readlist\expandafter{\AM@pagetemp}%
20155     \AM@output{#1}%
20156 \fi
20157 \AM@CheckAtEnd
20158 \endgroup
20159 \AM@ClearShipoutPicture
20160 }

```

128 File pgfcorescopes.code-xetex-bidi.def

```

20161 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf p
20162 \def\pgfpicture{%
20163     \begingroup%
20164     \ifmmode\else\@RTLfalse\beginL\fi%
20165     \pgfpicturetrue%
20166     \global\advance\pgf@picture@serial@count by1\relax%
20167     \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
20168     \let\pgf@nodecallback=\pgfutil@gobble%
20169     \pgf@picmaxx=-16000pt\relax%
20170     \pgf@picminx=16000pt\relax%
20171     \pgf@picmaxy=-16000pt\relax%
20172     \pgf@picminy=16000pt\relax%
20173     \pgf@relevantforpicturesizetrue%
20174     \pgf@resetpathsizes%
20175     \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture%
20176 \def\endpgfpicture{%
20177         \ifpgfrememberpicturepositiononpage%
20178             \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
20179         \fi%
20180         % ok, now let's position the box
20181         \ifdim\pgf@picmaxx=-16000pt\relax%
20182             % empty picture. make size 0.
20183             \global\pgf@picmaxx=0pt\relax%
20184             \global\pgf@picminx=0pt\relax%
20185             \global\pgf@picmaxy=0pt\relax%
20186             \global\pgf@picminy=0pt\relax%
20187         \fi%
20188         % Shift baseline outside:
20189         \pgf@relevantforpicturesizefalse%
20190         \pgf@process{\pgf@baseline}%
20191         \xdef\pgf@shift@baseline{\the\pgf@y}%
20192         %
20193         \pgf@process{\pgf@trimleft}%
20194         \global\advance\pgf@x by-\pgf@picminx
20195         % prepare \hskip\pgf@trimleft@final.

```



```

20196         % note that \pgf@trimleft@final is also queried
20197         % by the pgf image externalization.
20198         \xdef\pgf@trimleft@final{-\the\pgf@x}%
20199         %
20200         \pgf@process{\pgf@trimright}%
20201         \global\advance\pgf@x by-\pgf@picmaxx
20202         % prepare \hskip\pgf@trimright@final.
20203         % note that \pgf@trimright@final is also queried
20204         % by the pgf image externalization.
20205         \xdef\pgf@trimright@final{\the\pgf@x}%
20206     %
20207     \pgf@remember@layerlist@globally
20208     \endgroup%
20209     \hss%
20210     \egroup%
20211     \pgf@restore@layerlist@from@global
20212     \pgf@insertlayers%
20213     \endgroup%
20214     \pgfsys@discardpath%
20215     \endgroup%
20216     \pgfsys@endscope%
20217     \pgfsys@endpicture%
20218     \endgroup%
20219     \hss
20220     \egroup%
20221     \pgfsys@typesetpicturebox\pgfpic%
20222     \ifmmode\else\endL\fi%
20223     \endgroup%
20224 }

```

129 File `pgfsys.code-xetex-bidi.def`

```

20225 \ProvidesFile{pgfsys.code-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for pgfsys.code.
20226 \def\pgfsys@shadingoutsidepgfpicture#1{%
20227     \beginL#1\endL%
20228 }
20229
20230

```

130 File `picinpar-xetex-bidi.def`

```

20231 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package
20232 \long\def\@makewincaption#1#2{%
20233     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
20234     \ifdim\wd\@tempboxa>\picwd
20235         {\footnotesize{\bf #1:\enspace}{#2\par}}
20236     \else
20237         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
20238     \fi}
20239 \def\endwindow{%
20240     \global\tcd=\tcdsav
20241     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
20242     \vbadness=10000
20243     \splittopskip=0pt

```



```

20244 %
20245 % Typeset the lines above the window
20246 %
20247 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
20248 \tcn=\tcd
20249 \loop\advance\tcn -1
20250 \setbox\fslice=\vsplit\holder to\baselineskip
20251 \prune\fslice\linewidth
20252 \topheight=0pt
20253 \ifnum\dp\fslice>\dp\wstrutbox
20254     \advance\topheight-\dp\fslice
20255     \advance\topheight\dp\wstrutbox
20256     \advance\topheight\ilg\fi
20257 \hbox to\linewidth{\box\fslice}
20258 \vskip-\topheight
20259 \ifdim\ht\holder>0pt\repeat
20260 \fi
20261 %
20262 % Now we build the boxes beside the window
20263 %
20264 \global\topheight=\tcl\baselineskip
20265 \ifnum\cumpartcl>0\global\tcl=\cumtcl
20266     \global\topheight=\vpic
20267 \fi
20268 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
20269 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
20270 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
20271 \tcn=\tcl \na=0 \nb=0
20272 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
20273 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
20274 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
20275 \ifnum\na=0\ifnum\nb=0
20276     \setbox\waslice=\vbox to\vpic{\vss}
20277     \setbox\wbslice=\vbox to\vpic{\vss}
20278     \bl=1\br=1
20279     \vskip\ilg
20280 \fi\fi
20281 %
20282 % both sides
20283 %
20284 \ifnum\na>0 \ifnum\nb>0
20285 \loop\advance\nb -1
20286 \advance\na -1
20287 \if@RTL%
20288 \setbox\bslice=\vsplit\holder to\baselineskip
20289 \prune\bslice\rtside
20290 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20291 to\rtside{\box\bslice\hfil}}
20292 \setbox\aslice=\vsplit\holder to\baselineskip
20293 \prune\aslice\lftside
20294 \setbox\waslice=\vbox{\unvbox\waslice\hbox
20295 to\lftside{\box\aslice\hfil}}
20296 \else%
20297 \setbox\aslice=\vsplit\holder to\baselineskip

```



```

20298 \prune\aslice\lftside
20299 \setbox\waslice=\vbox{\unvbox\waslice\hbox
20300 to\lftside{\box\aslice\hfil}}
20301 \setbox\bslice=\vsplit\holder to\baselineskip
20302 \prune\bslice\rtside
20303 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20304 to\rtside{\box\bslice\hfil}}
20305 \fi%
20306 \ifnum\nb>0\repeat
20307 \fi\fi
20308 %
20309 % only text on the left side
20310 %
20311 \ifnum\na>0
20312     \loop\advance\na -1
20313     \setbox\aslice=\vsplit\holder to\baselineskip
20314     \prune\aslice\lftside
20315     \setbox\waslice=\vbox{\unvbox\waslice\hbox
20316 to\lftside{\box\aslice\hfil}}
20317     \ifdim\ht\holder>0pt\repeat
20318 \fi
20319 %
20320 % only text on the right side
20321 %
20322 \ifnum\nb>0
20323     \loop\advance\nb -1
20324     \setbox\bslice=\vsplit\holder to\baselineskip
20325     \prune\bslice\rtside
20326     \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20327 to\rtside{\box\bslice\hfil}}
20328     \ifdim\ht\holder>0pt\repeat
20329 \fi
20330 %
20331 % fixing the dimensions of the window part
20332 %
20333 \ifnum\bl=0\topheight=\ht\wbslice
20334 \else\ifnum\br=0\topheight=\ht\waslice
20335     \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
20336     \else\topheight=\ht\wbslice\fi\fi\fi
20337 %
20338 % ship out the window material to the main vertical list
20339 %
20340 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
20341 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
20342 \fi\fi\fi
20343 \setbox>windowbox=\vbox{\hbox to\linewidth{%
20344 \ifnum\bl>0\box\waslice\hfill\fi%
20345 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
20346 \vfill\unvbox\picbox%
20347 \ifnum\picwd>0\vfill\fi%
20348 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
20349 \unvbox>windowbox%
20350 \loop
20351 \setbox\bslice=\vsplit\rawtext to\baselineskip

```



```

20352 \prune\bslice\linewidth
20353 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
20354 \unvbox\wbslice
20355 \ifdim\ht\rawtext>0pt
20356 \repeat
20357 }% FINITO

```

131 File plain-xetex-bidi.def

```

20358 \def\TeXeTOn{\TeXeTstate=1 }
20359 \def\TeXeTOff{\TeXeTstate=0 }
20360 \TeXeTOn
20361 \def\usebox#1{\leavevmode\copy #1\relax}
20362 \def\bidirectional@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
20363 \let\bidirectional@everypar=\everypar
20364 \newtoks\bidirectional@everypar
20365 \bidirectional@everypar\expandafter\the\bidirectional@everypar}
20366 \bidirectional@everypar{\bidirectional@everypar\the\bidirectional@everypar}
20367 \let\everypar=\bidirectional@everypar
20368 \def\moreLRE{\brackettext \aftergroup\endL \beginL\@RTLfalse}
20369 \def\moreRLE{\brackettext \aftergroup\endR \beginR\@RTLtrue}
20370 \protected\def\hboxR{\hbox\bgroup
20371 \everyhbox{%
20372 \aftergroup\egroup
20373 \everyhbox{}}%
20374 \beginR
20375 \@hboxRconstructtrue
20376 \bgroup
20377 \aftergroup\endR
20378 \aftergroup\egroup
20379 }\hbox}
20380 \protected\def\hboxL{\hbox\bgroup
20381 \everyhbox{%
20382 \aftergroup\egroup
20383 \everyhbox{}}%
20384 \beginL
20385 \@hboxRconstructfalse
20386 \bgroup
20387 \aftergroup\endL
20388 \aftergroup\egroup
20389 }\hbox}
20390 \protected\def\vboxR{\vbox\bgroup
20391 \everyvbox{%
20392 \aftergroup\egroup
20393 \everyvbox{}}%
20394 \@RTLtrue
20395 \bgroup
20396 \aftergroup\egroup
20397 }\vbox}
20398 \protected\def\vboxL{\vbox\bgroup
20399 \everyvbox{%
20400 \aftergroup\egroup
20401 \everyvbox{}}%
20402 \@RTLfalse

```



```

20403 \bgroup
20404 \aftergroup\egroup
20405 }\vbox}
20406 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
20407 \def\endLTR{\par}
20408 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
20409 \def\endRTL{\par}
20410 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
20411 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
20412 \let\unsetRTL=\setLTR
20413 \let\unsetLTR=\setRTL
20414 \let\LR=\LRE
20415 \let\RL=\RLE
20416 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20417 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20418 \let\@ensure@RL=\@ensure@RTL
20419 \let\@ensure@LR=\@ensure@LTR
20420 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20421 \let\@ensure@maindir=\@ensure@dir
20422 \def\@RTL{RTL}
20423 \def\@LTR{LTR}
20424 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20425 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
20426 \let\@TeX\TeX
20427 \def\TeX{\@ensure@LTR{\@TeX}}
20428 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi}
20429 \dimen@=\dp\cclv \unvbox\cclv % open up \box255
20430 \ifvoid\footins\else % footnote info is present
20431 \vskip\skip\footins
20432 \footnoterule
20433 \unvbox\footins\fi
20434 \ifr@ggedbottom \kern-\dimen@ \vfil \fi
20435 \ifvoid\@bidi@copyins@
20436 \else
20437 \vskip\skip\@bidi@copyins@
20438 \unvbox\@bidi@copyins@
20439 \fi
20440 }
20441 \long\def\bidi@reflect@box#1{%
20442 \leavevmode
20443 \setbox\z@\hbox{{#1}}%
20444 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:gestor
20445 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
20446 }
20447 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
20448 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20449 \let\setRL=\setRTL
20450 \let\setLR=\setLTR
20451 \let\unsetRL=\setLTR
20452 \let\bidi@saved@eqno=\eqno
20453 \let\bidi@saved@leqno=\leqno
20454 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
20455 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}
20456 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}

```



```

20457 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
20458 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

132 File pstricks-xetex-bidi.def

```

20459 \ProvidesFile{pstricks-xetex-bidi.def}[2022/09/22 v0.6 bidi adaptations for pstricks package]
20460 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
20461 \def\endpspicture{%
20462   \ifshowgrid\ifnum\showgridps>0
20463     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
20464   \pst@killglue
20465 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
20466   \endgroup
20467   \egroup
20468   \ifdim\wd\pst@hbox=\z@ \else
20469     %\@pstrickserr{Extraneous space in the pspicture environment}%
20470     %\Type \space <return> \space to proceed.}%
20471   \fi
20472   \ht\pst@hbox=\pst@dimd
20473   \dp\pst@hbox=-\pst@dimb
20474   \setbox\pst@hbox=\hbox{%
20475     \kern-\pst@dimc
20476 % Orig version -----
20477 %\ifx\pst@tempa\@empty\else
20478 %\advance\pst@dimd-\pst@dimb
20479 %\pst@dimd=\pst@tempa\pst@dimd
20480 %\advance\pst@dimd\pst@dimb
20481 %\lower\pst@dimd
20482 %\fi
20483 %----- end Orig
20484   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
20485     \advance\pst@dimd-\pst@dimb
20486     \pst@dimd=0.5\pst@dimd
20487   \else\pst@dimd-\pst@shift\fi
20488   \advance\pst@dimd\pst@dimb
20489   \lower\pst@dimd
20490   \box\pst@hbox
20491   \kern\pst@dimc}%
20492   \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
20493   \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
20494     \fboxsep=0pt
20495     \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule[\wd\pst@hbox]{0pt}}\fi
20496   \ifmmode\else\endL\fi
20497   \endgroup%
20498   \psset[pstricks]{shift=0}% reset value
20499 }
20500
20501 \bidi@patchcmd\@scalebox{%
20502   \special{x: bscale \pst@tempc \pst@tempd}%
20503   \hbox to \z@{\box\pst@hbox\hss}%
20504   \special{x: escale}%
20505 }{%
20506   \if@RTL
20507     \special{x: escale}%

```



```

20508 \else
20509 \special{x: bscale \pst@tempc \pst@tempd}%
20510 \fi
20511 \hbox to \z@{\box\pst@hbox\hss}%
20512 \if@RTL
20513 \special{x: bscale \pst@tempc \pst@tempd}%
20514 \else
20515 \special{x: escale}%
20516 \fi
20517 }{}{}
20518 \let\ps@@scalebox\@@scalebox
20519

```

133 File quotchap-xetex-bidi.def

```

20520 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap packag
20521 \renewcommand{\qauthor}[1]{%
20522 \par\smallskip
20523 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{}\par}\bigskip}
20524 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
20525 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
20526 {\chapnumfont
20527 \ifnum \c@secnumdepth >\m@ne%
20528 \if@mainmatter\thechapter%
20529 \fi\fi
20530 \par\nobreak}%
20531 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi
20532 \nobreak\chapterheadendvskip}}
20533 \renewcommand*{\@iprintcites}{%
20534 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
20535 \global\let\@printcites\relax}

```

134 File ragged2e-xetex-bidi.def

```

20536 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e packag
20537 \renewcommand{\Centering}{%
20538 \ifx\\ \@raggedtwoe@savedcr
20539 \let\\ \@centercr
20540 \fi
20541 \let\@gnewline\@raggedtwoe@gnewline
20542 \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
20543 \@rightskip\CenteringRightskip
20544 \if@RTL\leftskip\else\rightskip\fi\@rightskip
20545 \parfillskip\CenteringParfillskip
20546 \parindent\CenteringParindent
20547 \@raggedtwoe@spaceskiptrue
20548 \@raggedtwoe@everyselectfont
20549 }
20550 \renewcommand{\RaggedLeft}{%
20551 \ifx\\ \@raggedtwoe@savedcr
20552 \let\\ \@centercr
20553 \fi
20554 \let\@gnewline\@raggedtwoe@gnewline
20555 \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip

```



```

20556 \@rightskip\RaggedLeftRightskip
20557 \if@RTL\leftskip\else\rightskip\fi\@rightskip
20558 \parfillskip\RaggedLeftParfillskip
20559 \parindent\RaggedLeftParindent
20560 \@raggedtwo@spaceskiptrue
20561 \@raggedtwo@everyselectfont
20562 }
20563 \renewcommand{\RaggedRight}{%
20564 \ifx\\ \@raggedtwo@savedcr
20565 \let\\ \@centercr
20566 \fi
20567 \let\@gnewline\@raggedtwo@gnewline
20568 \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
20569 \@rightskip\RaggedRightRightskip
20570 \if@RTL\leftskip\else\rightskip\fi\@rightskip
20571 \parfillskip\RaggedRightParfillskip
20572 \parindent\RaggedRightParindent
20573 \@raggedtwo@spaceskiptrue
20574 \@raggedtwo@everyselectfont
20575 }
20576 \renewcommand{\justifying}{%
20577 \let\\ \@raggedtwo@savedcr
20578 \let\@gnewline\@raggedtwo@saved@gnewline
20579 \if@RTL\rightskip\else\leftskip\fi\z@
20580 \@rightskip\z@
20581 \if@RTL\leftskip\else\rightskip\fi\@rightskip
20582 \parfillskip\JustifyingParfillskip
20583 \parindent\JustifyingParindent
20584 \@raggedtwo@spaceskipfalse
20585 \@raggedtwo@everyselectfont
20586 }
20587 \def\@raggedtwo@raggedrightboxes@opt{%
20588 \renewcommand{\arrayparboxrestore}{%
20589 \let\if@nobreak\iffalse
20590 \let\if@noskipsec\iffalse
20591 \let\par\@@par
20592 \let\-\@dischyph
20593 \let'\@acci\let\` \@accii\let\=\@acciii
20594 \parskip\z@skip
20595 \everypar{}%
20596 \linewidth\hsize
20597 \@totalleftmargin\z@
20598 \if@RTL
20599 \RaggedLeft
20600 \else
20601 \RaggedRight
20602 \fi
20603 \lineskip\normallineskip
20604 \baselineskip\normalbaselineskip
20605 \sloppy}%
20606 \let\@raggedtwo@raggedrightboxes@opt\relax
20607 }
20608 \def\@raggedtwo@document@opt{%
20609 \AtBeginDocument{\@raggedtwo@abdhook}%

```



```

20610 \@raggedtwoe@raggedrightboxes@opt
20611 \@raggedtwoe@footmisctrue
20612 \let\@raggedtwoe@document@opt\relax
20613 }
20614 \def\@raggedtwoe@abdhook{%
20615 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
20616 right to left documents and '\string\RaggedRight' for left
20617 to right documents}%
20618 \if@RTL
20619 \RaggedLeft
20620 \else
20621 \RaggedRight
20622 \fi
20623 \@ifundefined{@tocrmarg}{-}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
20624 \let\@raggedtwoe@abdhook\relax
20625 }
20626 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
20627 \@raggedtwoe@raggedrightboxes@opt
20628 }{}
20629 \@ifpackagewith{ragged2e}{document}{%
20630 \@raggedtwoe@document@opt
20631 }{}
20632 \let\origin@RaggedLeft=\RaggedLeft
20633 \let\origin@RaggedRight=\RaggedRight
20634 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
20635 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

135 File rapport1-xetex-bidi.def

```

20636 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class]
20637 \renewenvironment{theindex}{%
20638 \if@twocolumn
20639 \@restonecolfalse
20640 \else
20641 \@restonecoltrue
20642 \fi
20643 \columnseprule \z@
20644 \columnsep 35\p@
20645 \twocolumn[\@makeschapterhead{\indexname}]{%
20646 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
20647 \thispagestyle{plain}\parindent\z@
20648 \parskip\z@ \@plus .3\p@\relax
20649 \let\item\@idxitem
20650 }{}
20651 \if@restonecol\onecolumn\else\clearpage\fi}
20652 \renewcommand*{head@style}{%
20653 \interlinepenalty \@M
20654 \hyphenpenalty=\@M \exhyphenpenalty=\@M
20655 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
20656 \if@titlepage
20657 \renewenvironment{abstract}{%
20658 \titlepage
20659 \null\vfil
20660 \section*{\SectFont\abstractname}%

```



```

20661      \noindent\ignorespaces}
20662      {\par\vfil\null\endtitlepage}
20663 \else
20664   \renewenvironment{abstract}{%
20665     \if@twocolumn
20666       \section*{\abstractname}%
20667     \else
20668       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
20669       \section*{\small\SectFont\abstractname}%
20670       \noindent\ignorespaces
20671     \fi}
20672     {\if@twocolumn\else\par\egroup\fi}
20673 \fi
20674 \renewcommand*{@regtocline[3]}{%
20675   \ifnum #1>\c@tocdepth
20676   \else
20677     \vskip\z@\@plus.2\p@
20678     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
20679     \if@RTL\rightskip\else\leftskip\fi\unitindent
20680     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
20681     \parfillskip\z@
20682     \@tempdima\unitindent
20683     \parindent\z@
20684     \leavevmode
20685     \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
20686     \hskip 1em \nobreak{\slshape #3}\par
20687   }%
20688   \fi}
20689 \if@oldtoc
20690 \renewcommand*{\l@part[2]}{%
20691   \ifnum \c@tocdepth >-2\relax
20692     \addpenalty{-\@highpenalty}%
20693     \addvspace{2.25em \@plus\p@}%
20694     \begingroup
20695       \setlength\@tempdima{3em}%
20696       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20697       \parfillskip -\@pnumwidth
20698       {\leavevmode
20699         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
20700         \nobreak
20701         \global\@nobreaktrue
20702         \everypar{\global\@nobreakfalse\everypar{}}%
20703       \endgroup
20704     \fi}
20705 \else
20706   \renewcommand*{\l@part{%
20707     \ifnum \c@tocdepth >-2\relax
20708       \addpenalty{-\@highpenalty}%
20709       \addvspace{2.25em \@plus \p@}%
20710       \@regtocline{0}%
20711     \fi}
20712 \fi
20713 \if@oldtoc
20714 \renewcommand*{\l@chapter[2]}{%

```



```

20715 \addpenalty{-\@highpenalty}%
20716 \vskip 1.0em \@plus\p@
20717 \setlength\@tempdima{1.5em}%
20718 \begingroup
20719 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20720 \parfillskip -\@pnumwidth
20721 \leavevmode \bfseries
20722 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
20723 \hskip -\if@RTL\rightskip\else\leftskip\fi
20724 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
20725 \penalty\@highpenalty
20726 \endgroup}
20727 \else
20728 \renewcommand*\l@chapter{\@regtocline{0}}
20729 \fi
20730 \renewcommand*\left@footnoterule{%
20731 \kern-3\p@
20732 \kern.5\baselineskip
20733 \hrule\@width\unitindent
20734 \kern.4\baselineskip
20735 }
20736 \renewcommand*\right@footnoterule{%
20737 \kern-3\p@
20738 \kern.5\baselineskip
20739 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
20740 \kern.4\baselineskip}
20741 \renewenvironment{thebibliography}[1]
20742 {\chapter*{\bibname}}%
20743 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
20744 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
20745 \bidi@thebibliography@font@hook%
20746 \list{\@biblabel{\@arabic\c@enumiv}}%
20747 {\settowidth\labelwidth{\@biblabel{#1}}%
20748 \leftmargin\labelwidth
20749 \advance\leftmargin\labelsep
20750 \@openbib@code
20751 \usecounter{enumiv}%
20752 \let\p@enumiv\@empty
20753 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
20754 \sloppy\clubpenalty4000\widowpenalty4000%
20755 \sfcode\.\@m}
20756 {\def\@noitemerr
20757 {\@latex@warning{Empty `thebibliography' environment}}}%
20758 \endlist}
20759 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
20760 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
20761 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
20762 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20763 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
20764 \renewcommand*\theequation{%
20765 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
20766 \renewcommand*\thefigure{%
20767 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
20768 \renewcommand*\thetable{%

```



```

20769 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
20770 \if@titlepage
20771 \renewcommand*\TitleFont{\rmfamily}
20772 \renewcommand*\maketitle{%
20773 \begin{titlepage}%
20774 \let\footnotesize\small
20775 \let\right@footnoterule\relax
20776 \let\left@footnoterule\relax
20777 \let\textwidth@footnoterule\relax
20778 \let \footnote \thanks
20779 \long\def\@makefntext##1{\parindent\z@
20780 \def\labelitemi{\textendash}\@revlabeltrue
20781 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
20782 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20783 \if@compatibility\setcounter{page}{0}\fi
20784 \null\vfil
20785 \vskip 60\p@
20786 \begin{center}%
20787 \TitleFont
20788 {\LARGE \def\\{\penalty -\@M}
20789 \if@allcaps
20790 \expandafter\uc@nothanks\@title\thanks\relax
20791 \else
20792 \@title
20793 \fi\par}%
20794 \vskip 3em%
20795 {\large
20796 \lineskip .75em \parindent\z@
20797 \begin{tabular}[t]{c}%
20798 \if@allcaps
20799 \expandafter\uc@authornothanks\@author\and\relax
20800 \else
20801 \@author
20802 \fi
20803 \end{tabular}\par}%
20804 \vskip 1.5em%
20805 {\large
20806 \if@allcaps
20807 \uppercase\expandafter{\@date}%
20808 \else
20809 \@date
20810 \fi\par}%
20811 \end{center}\par
20812 \@thanks
20813 \vfil\null
20814 \end{titlepage}%
20815 \setcounter{footnote}{0}%
20816 \global\let\thanks\relax
20817 \global\let\maketitle\relax
20818 \global\let\@thanks\@empty
20819 \global\let\@author\@empty
20820 \global\let\@title\@empty
20821 \global\let\@date\@empty
20822 \global\let\title\relax

```



```

20823 \global\let\author\relax
20824 \global\let\date\relax
20825 \global\let\and\relax
20826 }
20827 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
20828 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
20829 \futurelet\@tempa\uc@ax}
20830 \def\uc@ax{%
20831 \ifx\@tempa\relax
20832 \else
20833 \\\andname \\\expandafter\uc@authornothanks
20834 \fi}
20835 \def\uc@tx{\ifx\@tempa\relax
20836 \else \expandafter\uc@ty \fi}
20837 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
20838 \else
20839 \renewcommand*\maketitle{\par
20840 \begingroup
20841 \renewcommand*\thefootnote{\fnsymbol\c@footnote}%
20842 \def\@makefnmark{\rlap{%
20843 \textsuperscript{\normalfont\@thefnmark}}}%
20844 \long\def\@makefntext{\xmakefntext{%
20845 \textsuperscript{\normalfont\@thefnmark}}}%
20846 \if@twocolumn
20847 \ifnum \col@number=\@ne
20848 \maketitle
20849 \else
20850 \twocolumn[\maketitle]%
20851 \fi
20852 \else
20853 \newpage
20854 \global\@topnum\z@
20855 \maketitle
20856 \fi
20857 \thispagestyle{plain}\@thanks
20858 \endgroup
20859 \setcounter{footnote}{0}%
20860 \global\let\thanks\relax
20861 \global\let\maketitle\relax
20862 \global\let\@maketitle\relax
20863 \global\let\@thanks\@empty
20864 \global\let\@author\@empty
20865 \global\let\@title\@empty
20866 \global\let\@date\@empty
20867 \global\let\title\relax
20868 \global\let\author\relax
20869 \global\let\date\relax
20870 \global\let\and\relax
20871 }
20872 \def\@maketitle{%
20873 \newpage
20874 \null
20875 \vskip 2em%
20876 \begin{center}%

```



```

20877 \let \footnote \thanks
20878 {\LARGE \TitleFont \@title \par}%
20879 \vskip 1.5em%
20880 {\large \TitleFont
20881 \lineskip .5em%
20882 \begin{tabular}[t]{c}%
20883 \@author
20884 \end{tabular}\par}%
20885 \vskip 1em%
20886 {\large \TitleFont \@date}%
20887 \end{center}%
20888 \par
20889 \vskip 1.5em}
20890 \fi

```

136 File rapport3-xetex-bidi.def

```

20891 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class]
20892 \renewenvironment{theindex}{%
20893 \if@twocolumn
20894 \@restonecolfalse
20895 \else
20896 \@restonecoltrue
20897 \fi
20898 \columnseprule \z@
20899 \columnsep 35\p@
20900 \twocolumn[\@makeschapterhead{\indexname}]{%
20901 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
20902 \thispagestyle{plain}\parindent\z@
20903 \parskip\z@ \@plus .3\p@\relax
20904 \let\item\@idxitem
20905 }{%
20906 \if@restonecol\onecolumn\else\clearpage\fi}
20907 \if@titlepage
20908 \renewcommand*\TitleFont{\rmfamily}
20909 \renewcommand*\maketitle{%
20910 \begin{titlepage}%
20911 \let\footnotesize\small
20912 \let\right@footnoterule\relax
20913 \let\left@footnoterule\relax
20914 \let\textwidth@footnoterule\relax
20915 \let \footnote \thanks
20916 \let \LTRfootnote \LTRthanks
20917 \let \RTLfootnote \RTLthanks
20918 \long\def\@makefnmark##1{\parindent\z@
20919 \def\labelitemi{\textendash}\@revlabeltrue
20920 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
20921 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20922 \if@compatibility\setcounter{page}{0}\fi
20923 \null\vfil
20924 \vskip 60\p@
20925 \begin{center}%
20926 \TitleFont
20927 {\LARGE \def\\{\penalty -\@M}

```



```

20928     \if@allcaps
20929         \expandafter\uc@nothanks\@title\thanks\relax
20930     \else
20931         \@title
20932     \fi\par}%
20933 \vskip 3em%
20934 {\large
20935     \lineskip .75em \parindent\z@
20936     \begin{tabular}[t]{c}%
20937         \if@allcaps
20938             \expandafter\uc@authornothanks\@author\and\relax
20939         \else
20940             \@author
20941         \fi
20942     \end{tabular}\par}%
20943 \vskip 1.5em%
20944 {\large
20945     \if@allcaps
20946         \uppercase\expandafter{\@date}%
20947     \else
20948         \@date
20949     \fi\par}%
20950 \end{center}\par
20951 \@thanks
20952 \vfil\null
20953 \end{titlepage}%
20954 \setcounter{footnote}{0}%
20955 \global\let\thanks\relax
20956 \global\let\LTRthanks\relax
20957 \global\let\RTLthanks\relax
20958 \global\let\maketitle\relax
20959 \global\let\@thanks\@empty
20960 \global\let\@author\@empty
20961 \global\let\@title\@empty
20962 \global\let\@date\@empty
20963 \global\let\title\relax
20964 \global\let\author\relax
20965 \global\let\date\relax
20966 \global\let\and\relax
20967 }
20968 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
20969 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
20970     \futurelet\@tempa\uc@ax}
20971 \def\uc@ax{%
20972     \ifx\@tempa\relax
20973     \else
20974         \\\andname \\\expandafter\uc@authornothanks
20975     \fi}
20976 \def\uc@tx{\ifx\@tempa\relax
20977     \else \expandafter\uc@ty \fi}
20978 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
20979 \else
20980 \renewcommand*\maketitle{\par
20981     \begingroup

```



```

20982 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20983 \def\@makefnmark{\rlap{%
20984   \@textsuperscript{\normalfont\@thefnmark}}}%
20985 \long\def\@makefntext{\@xmakefntext{%
20986   \@textsuperscript{\normalfont\@thefnmark}}}%
20987 \if@twocolumn
20988   \ifnum \col@number=\@one
20989     \@maketitle
20990   \else
20991     \twocolumn[\@maketitle]%
20992   \fi
20993 \else
20994   \newpage
20995   \global\@topnum\z@
20996   \@maketitle
20997 \fi
20998 \thispagestyle{plain}\@thanks
20999 \endgroup
21000 \setcounter{footnote}{0}%
21001 \global\let\thanks\relax
21002 \global\let\LTRthanks\relax
21003 \global\let\RTLthanks\relax
21004 \global\let\maketitle\relax
21005 \global\let\@maketitle\relax
21006 \global\let\@thanks\@empty
21007 \global\let\@author\@empty
21008 \global\let\@title\@empty
21009 \global\let\@date\@empty
21010 \global\let\title\relax
21011 \global\let\author\relax
21012 \global\let\date\relax
21013 \global\let\and\relax
21014 }
21015 \def\@maketitle{%
21016   \newpage
21017   \null
21018   \vskip 2em%
21019   \if@titlecentered
21020     \begin{center}%
21021       \let \footnote \thanks
21022       \let \LTRfootnote \LTRthanks
21023       \let \RTLfootnote \RTLthanks
21024       {\LARGE \TitleFont \@title \par}%
21025       \vskip 1.5em%
21026       {\large \TitleFont
21027         \lineskip .5em%
21028         \begin{tabular}[t]{c}%
21029           \@author
21030         \end{tabular}\par}%
21031       \vskip 1em%
21032       {\large \TitleFont \@date}%
21033     \end{center}%
21034   \else
21035     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em

```



```

21036 {\large \TitleFont \lineskip .5em \tabcolsep\z@
21037 \def\and{%% \begin{tabular} has already started
21038 \end{tabular}\hskip 1em plus .17fil
21039 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tab
21040 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}
21041 \vskip 1em {\large \TitleFont \@date}
21042 \fi
21043 \par
21044 \vskip 1.5em}
21045 \fi
21046 \renewcommand*\@regtocline[3]{%
21047 \ifnum #1>\c@tocdepth
21048 \else
21049 \vskip\z@\@plus.2\p@
21050 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
21051 \if@RTL\righskip\else\leftskip\fi\unitindent
21052 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
21053 \parfillskip\z@
21054 \@tempdima\unitindent
21055 \parindent\z@
21056 \leavevmode
21057 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
21058 \hskip 1em \nobreak{\slshape #3}\par
21059 }%
21060 \fi}
21061 \if@oldtoc
21062 \renewcommand*\l@part[2]{%
21063 \ifnum \c@tocdepth >-2\relax
21064 \addpenalty{-\@highpenalty}%
21065 \addvspace{2.25em \@plus\p@}%
21066 \begingroup
21067 \setlength\@tempdima{3em}%
21068 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
21069 \parfillskip -\@pnumwidth
21070 {\leavevmode
21071 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
21072 \nobreak
21073 \global\@nobreaktrue
21074 \everypar{\global\@nobreakfalse\everypar{}}%
21075 \endgroup
21076 \fi}
21077 \else
21078 \renewcommand*\l@part{%
21079 \ifnum \c@tocdepth >-2\relax
21080 \addpenalty{-\@highpenalty}%
21081 \addvspace{2.25em \@plus \p@}%
21082 \@regtocline{0}%
21083 \fi}
21084 \fi
21085 \if@oldtoc
21086 \renewcommand*\l@chapter[2]{%
21087 \addpenalty{-\@highpenalty}%
21088 \vskip 1.0em \@plus\p@
21089 \setlength\@tempdima{1.5em}%

```



```

21090 \begingroup
21091 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21092 \parfillskip -\@pnumwidth
21093 \leavevmode \bfseries
21094 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
21095 \hskip -\if@RTL\rightskip\else\leftskip\fi
21096 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21097 \penalty\@highpenalty
21098 \endgroup}
21099 \else
21100 \renewcommand*\l@chapter{\@regtocline{0}}
21101 \fi
21102 \renewcommand*\head@style{%
21103 \interlinepenalty \@M
21104 \hyphenpenalty=\@M \exhyphenpenalty=\@M
21105 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
21106 \if@titlepage
21107 \renewenvironment{abstract}{%
21108 \titlepage
21109 \null\vfil
21110 \section*{\SectFont\abstractname}%
21111 \noindent\ignorespaces
21112 {\par\vfil\null\endtitlepage}
21113 \else
21114 \renewenvironment{abstract}{%
21115 \if@twocolumn
21116 \section*{\abstractname}%
21117 \else
21118 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
21119 \section*{\small\SectFont\abstractname}%
21120 \noindent\ignorespaces
21121 \fi}
21122 {\if@twocolumn\else\par\egroup\fi}
21123 \fi
21124 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
21125 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
21126 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
21127 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
21128 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
21129 \renewcommand*\thefigure{%
21130 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
21131 \renewcommand*\thetable{%
21132 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
21133 \renewcommand*\theequation{%
21134 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
21135 \renewenvironment{thebibliography}[1]
21136 {\chapter*{\bibname}%
21137 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
21138 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21139 \bidi@thebibliography@font@hook%
21140 \list{\@biblabel{\@arabic\c@enumiv}}%
21141 {\settowidth\labelwidth{\@biblabel{#1}}%
21142 \leftmargin\labelwidth
21143 \advance\leftmargin\labelsep

```



```

21144         \@openbib@code
21145         \usecounter{enumiv}%
21146         \let\p@enumiv\@empty
21147         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
21148     \sloppy\clubpenalty4000\widowpenalty4000%
21149     \sfcode`\.\@m}
21150     {\def\@noitemerr
21151      {\@latex@warning{Empty `thebibliography' environment}}}%
21152     \endlist}
21153 \renewcommand*\left@footnoterule{%
21154     \kern-3\p@
21155     \kern.5\baselineskip
21156     \hrule\@width\unitindent
21157     \kern.4\baselineskip
21158 }
21159 \renewcommand*\right@footnoterule{%
21160     \kern-3\p@
21161     \kern.5\baselineskip
21162     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
21163     \kern.4\baselineskip}
21164 \renewcommand*\head@style{%
21165     \interlinepenalty \@M
21166     \hyphenpenalty=\@M \exhyphenpenalty=\@M
21167     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

137 File refrep-xetex-bidi.def

```

21168 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for
21169 \if@titlepage
21170     \renewcommand\maketitle{\begin{titlepage}%
21171     \let\footnotesize\small
21172     \let\right@footnoterule\relax
21173     \let\left@footnoterule\relax
21174     \let\textwidth@footnoterule\relax
21175     \let\footnote\thanks
21176     \let\LTRfootnote\LTRthanks
21177     \let\RTLfootnote\RTLthanks
21178     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21179     \def\@makefnmark%
21180         {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21181     \long\def\@makefntext##1{%
21182         \@setpar{\@par
21183             \@tempdima = \hsize
21184             \advance\@tempdima -1em
21185             \parshape \@ne 1em \@tempdima}%
21186         \par\parindent 1em \noindent
21187         \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
21188     \null\vfil
21189     \vskip 60\p@
21190     \begin{center}%
21191         {\LARGE \@title \par}%
21192         \vskip 3em%
21193         {\large
21194             \lineskip .75em%

```



```

21195     \begin{tabular}[t]{c}%
21196     \@author
21197     \end{tabular}\par}%
21198     \vskip 1.5em%
21199     {\large \@date \par}%           % Set date in \large size.
21200 \end{center}\par
21201 \@thanks
21202 \vfil\null
21203 \end{titlepage}%
21204 \setcounter{footnote}{0}%
21205 \global\let\thanks\relax
21206 \global\let\LTRthanks\relax
21207 \global\let\RTLthanks\relax
21208 \global\let\maketitle\relax
21209 \global\let\@thanks\@empty
21210 \global\let\@author\@empty
21211 \global\let\@date\@empty
21212 \global\let\@title\@empty
21213 \global\let\title\relax
21214 \global\let\author\relax
21215 \global\let\date\relax
21216 \global\let\and\relax
21217 }
21218 \else
21219 \renewcommand\maketitle{\par
21220 \begingroup
21221 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21222 \def\@makefnmark%
21223     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21224 \long\def\@makefntext##1{%
21225     \setpar{\@par
21226         \@tempdima = \hsize
21227         \advance\@tempdima -1em
21228         \parshape \@ne 1em \@tempdima}%
21229     \par\parindent 1em \noindent
21230     \hbext@z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
21231 \if@twocolumn
21232     \ifnum \col@number=\@ne
21233         \@maketitle
21234     \else
21235         \twocolumn[\@maketitle]%
21236     \fi
21237 \else
21238     \newpage
21239     \global\@topnum\z@ % Prevents figures from going at top of page.
21240     \@maketitle
21241 \fi
21242 \thispagestyle{empty}\@thanks
21243 \endgroup
21244 \setcounter{footnote}{0}%
21245 \global\let\thanks\relax
21246 \global\let\LTRthanks\relax
21247 \global\let\RTLthanks\relax
21248 \global\let\maketitle\relax

```



```

21249 \global\let\@maketitle\relax
21250 \global\let\@thanks\@empty
21251 \global\let\@author\@empty
21252 \global\let\@date\@empty
21253 \global\let\@title\@empty
21254 \global\let\title\relax
21255 \global\let\author\relax
21256 \global\let\date\relax
21257 \global\let\and\relax
21258 }
21259 \def\@maketitle{%
21260   \newpage
21261   \null
21262   \longthickrule\vskip1.5em%
21263   \let \footnote \thanks
21264   \let \LTRfootnote \LTRthanks
21265   \let \RTLfootnote \RTLthanks
21266   {\secshape \parskip\z@ \parindent\z@
21267   \Large\bfseries \@title \par}%
21268   \vskip1.5em\longthickrule\vskip1.5em%
21269   {\normalsize
21270     \lineskip .5em%
21271     \begin{flushright}%
21272       {\slshape\@author\par}
21273       \vskip 1em%
21274       {\@date}%
21275     \end{flushright}\par}%
21276   \vskip 1.5em}
21277 \fi
21278 \renewcommand*\l@part[2]{%
21279   \ifnum \c@tocdepth >-2\relax
21280     \addpenalty{-\@highpenalty}%
21281     \addvspace{2.25em \@plus\p@}%
21282     \begingroup
21283       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21284       \parfillskip -\@pnumwidth
21285       {\leavevmode
21286         \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
21287       \nobreak
21288       \global\@nobreaktrue
21289       \everypar{\global\@nobreakfalse\everypar{}}%
21290     \endgroup
21291   \fi}
21292 \renewcommand*\l@chapter[2]{%
21293   \ifnum \c@tocdepth >\m@ne
21294     \addpenalty{-\@highpenalty}%
21295     \vskip 1.0em \@plus\p@
21296     \setlength\@tempdima{1.5em}%
21297     \begingroup
21298       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21299       \parfillskip -\@pnumwidth
21300       \leavevmode \bfseries
21301       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21302       \hskip -\if@RTL\rightskip\else\leftskip\fi

```



```

21303      #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21304      \penalty\@highpenalty
21305      \endgroup
21306      \fi}
21307 \renewcommand\secshape{\if@RTL\righskip\else\leftskip\fi=-\leftmarginwidth%
21308                      \if@RTL\leftskip\else\righskip\fi=\@flushglue%
21309                      \hyphenpenalty=2000}
21310 \renewcommand\left@footnoterule{%
21311     \kern-3\p@
21312     \hrule\@width.4\columnwidth
21313     \kern 2.6\p@}
21314 \renewcommand\right@footnoterule{%
21315     \kern-3\p@
21316     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
21317     \kern2.6\p@}
21318 \renewcommand\theequation
21319 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
21320 \renewcommand\thefigure
21321     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21322 \renewcommand\thetable%
21323     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21324 \renewcommand\thesection     {\thechapter\@SepMark\@arabic\c@section}
21325 \renewcommand\thesubsection  {\thesection\@SepMark\@arabic\c@subsection}
21326 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
21327 \renewcommand\theparagraph   {\thesubsubsection\@SepMark\@arabic\c@paragraph}
21328 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
21329 \renewenvironment{thebibliography}[1]
21330     {\chapter*{\bibname
21331         \mkboth{\bibname}{\bibname}}%
21332     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21333     \bidi@thebibliography@font@hook%
21334     \list{\@biblabel{\@arabic\c@enumiv}}%
21335         {\settowidth\labelwidth{\@biblabel{#1}}%
21336         \leftmargin\labelwidth
21337         \advance\leftmargin\labelsep
21338         \@openbib@code
21339         \usecounter{enumiv}%
21340         \let\p@enumiv\@empty
21341         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21342         \sloppy
21343         \clubpenalty4000
21344         \@clubpenalty \clubpenalty
21345         \widowpenalty4000%
21346     \sfcode`\.\@m}
21347 {\def\@noitemerr
21348     {\@latex@warning{Empty `thebibliography' environment}}%
21349     \endlist}

```

138 File report-xetex-bidi.def

```

21350 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report c
21351 \renewenvironment{theindex}
21352     {\if@twocolumn
21353     \@restonecolfalse

```



```

21354         \else
21355             \@restonecoltrue
21356         \fi
21357         \columnseprule \z@
21358         \columnsep 35\p@
21359         \twocolumn[\@makeschapterhead{\indexname}]]%
21360         \@mkboth{\MakeUppercase\indexname}%
21361             {\MakeUppercase\indexname}%
21362         \thispagestyle{plain}\parindent\z@
21363         \parskip\z@ \@plus .3\p@\relax
21364         \let\item\@idxitem}
21365     {\if@restonecol\onecolumn\else\clearpage\fi}
21366 \if@titlepage
21367 \renewcommand\maketitle{\begin{titlepage}%
21368 \let\footnotesize\small
21369 \let\right@footnoterule\relax
21370 \let\left@footnoterule\relax
21371 \let\textwidth\footnoterule\relax
21372 \let \footnote \thanks
21373 \let \LTRfootnote \LTRthanks
21374 \let \RTLfootnote \RTLthanks
21375 \null\vfil
21376 \vskip 60\p@
21377 \begin{center}%
21378     {\LARGE \@title \par}%
21379     \vskip 3em%
21380     {\large
21381         \lineskip .75em%
21382         \begin{tabular}[t]{c}%
21383             \@author
21384         \end{tabular}\par}%
21385         \vskip 1.5em%
21386     {\large \@date \par}%           % Set date in \large size.
21387 \end{center}\par
21388 \@thanks
21389 \vfil\null
21390 \end{titlepage}%
21391 \setcounter{footnote}{0}%
21392 \global\let\thanks\relax
21393 \global\let\LTRthanks\relax
21394 \global\let\RTLthanks\relax
21395 \global\let\maketitle\relax
21396 \global\let\@thanks\@empty
21397 \global\let\@author\@empty
21398 \global\let\@date\@empty
21399 \global\let\@title\@empty
21400 \global\let\title\relax
21401 \global\let\author\relax
21402 \global\let\date\relax
21403 \global\let\and\relax
21404 }
21405 \else
21406 \renewcommand\maketitle{\par
21407 \begingroup

```



```

21408 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21409 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21410 \long\def\@makefntext##1{\parindent 1em\noindent
21411 \hb@xt@1.8em{%
21412 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
21413 \if@twocolumn
21414 \ifnum \col@number=\@one
21415 \@maketitle
21416 \else
21417 \twocolumn[\@maketitle]%
21418 \fi
21419 \else
21420 \newpage
21421 \global\@topnum\z@ % Prevents figures from going at top of page.
21422 \@maketitle
21423 \fi
21424 \thispagestyle{plain}\@thanks
21425 \endgroup
21426 \setcounter{footnote}{0}%
21427 \global\let\thanks\relax
21428 \global\let\LTRthanks\relax
21429 \global\let\RTLthanks\relax
21430 \global\let\maketitle\relax
21431 \global\let\@maketitle\relax
21432 \global\let\@thanks\@empty
21433 \global\let\@author\@empty
21434 \global\let\@date\@empty
21435 \global\let\@title\@empty
21436 \global\let\title\relax
21437 \global\let\author\relax
21438 \global\let\date\relax
21439 \global\let\and\relax
21440 }
21441 \def\@maketitle{%
21442 \newpage
21443 \null
21444 \vskip 2em%
21445 \begin{center}%
21446 \let \footnote \thanks
21447 \let \LTRfootnote \LTRthanks
21448 \let \RTLfootnote \RTLthanks
21449 {\LARGE \@title \par}%
21450 \vskip 1.5em%
21451 {\large
21452 \lineskip .5em%
21453 \begin{tabular}[t]{c}%
21454 \@author
21455 \end{tabular}\par}%
21456 \vskip 1em%
21457 {\large \@date}%
21458 \end{center}%
21459 \par
21460 \vskip 1.5em}
21461 \fi

```



```

21462 \renewcommand*\l@part[2]{%
21463   \ifnum \c@tocdepth >-2\relax
21464     \addpenalty{-\@highpenalty}%
21465     \addvspace{2.25em \@plus\p@}%
21466     \setlength\@tempdima{3em}%
21467     \begingroup
21468       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21469       \parfillskip -\@pnumwidth
21470       {\leavevmode
21471         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
21472         \nobreak
21473         \global\@nobreaktrue
21474         \everypar{\global\@nobreakfalse\everypar{}}%
21475       \endgroup
21476   \fi}
21477 \renewcommand*\l@chapter[2]{%
21478   \ifnum \c@tocdepth >\m@ne
21479     \addpenalty{-\@highpenalty}%
21480     \vskip 1.0em \@plus\p@
21481     \setlength\@tempdima{1.5em}%
21482     \begingroup
21483       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21484       \parfillskip -\@pnumwidth
21485       \leavevmode \bfseries
21486       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21487       \hskip -\if@RTL\rightskip\else\leftskip\fi
21488       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21489       \penalty\@highpenalty
21490     \endgroup
21491   \fi}
21492 \renewcommand\left@footnoterule{%
21493   \kern-3\p@
21494   \hrule\@width.4\columnwidth
21495   \kern2.6\p@}
21496 \renewcommand\right@footnoterule{%
21497   \kern-3\p@
21498   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
21499   \kern2.6\p@}
21500 \renewcommand\theequation
21501   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
21502 \renewcommand \thefigure
21503   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21504 \renewcommand \thetable
21505   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21506 \renewcommand \thechapter {\@arabic\c@chapter}
21507 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
21508 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
21509 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
21510 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
21511 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
21512 \def\@makechapterhead#1{%
21513   \vspace*{50\p@}%
21514   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
21515     \ifnum \c@secnumdepth >\m@ne

```



```

21516         \huge\bfseries \@chapapp\space \thechapter
21517         \par\nobreak
21518         \vskip 20\p@
21519     \fi
21520     \interlinepenalty\@M
21521     \Huge \bfseries #1\par\nobreak
21522     \vskip 40\p@
21523 }
21524 \def\@makeschapterhead#1{%
21525     \vspace*{50\p@}%
21526     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
21527     \normalfont
21528     \interlinepenalty\@M
21529     \Huge \bfseries #1\par\nobreak
21530     \vskip 40\p@
21531 }
21532 \renewenvironment{thebibliography}[1]
21533     {\chapter*{\bibname}%
21534     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
21535     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21536     \bidi@thebibliography@font@hook%
21537     \list{\@biblabel{\@arabic\c@enumiv}}%
21538         {\settowidth\labelwidth{\@biblabel{#1}}%
21539         \leftmargin\labelwidth
21540         \advance\leftmargin\labelsep
21541         \@openbib@code
21542         \usecounter{enumiv}%
21543         \let\p@enumiv\@empty
21544         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21545     \sloppy
21546     \clubpenalty4000
21547     \@clubpenalty \clubpenalty
21548     \widowpenalty4000%
21549     \sfcode`. \m}
21550 {\def\@noitemerr
21551     {\@latex@warning{Empty `thebibliography' environment}}%
21552     \endlist}

```

139 File rotating-xetex-bidi.def

```

21553 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
21554 \def\end@rotfloat{%
21555     \end{minipage}\end{lrbox}%
21556     \stepcounter{r@tfl@t}%
21557     \rot@label{RF\ther@tfl@t}%
21558     \rot@pageref{RF\ther@tfl@t}{\R@page}%
21559     \edef\@tempa{Adding sideways \capttype\space on page \R@page\space}
21560     \rot@mess@toks\expandafter{\@tempa}
21561     \wd\rot@float@box\z@
21562     \ht\rot@float@box\z@
21563     \dp\rot@float@box\z@
21564     \vboxL to \textheight{%
21565     \setkeys{Grot}{units=360}%
21566     \if@rot@twoside

```



```

21567 \else
21568 \let\R@@page\rot@LR
21569 \fi
21570 \ifthenelse{\isodd{\R@@page}}{%
21571 \if@rot@twoside
21572 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
21573 \fi
21574 \vfill
21575 \@@line{%
21576 \hskip\rotFPtop
21577 \rotatebox{90}{\box\rot@float@box}%
21578 \hskip\rotFPbot
21579 }%
21580 }{%
21581 \if@rot@twoside
21582 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
21583 \fi
21584 \@@line{%
21585 \hskip\rotFPbot
21586 \rotatebox{-90}{\box\rot@float@box}%
21587 \hskip\rotFPtop
21588 }%
21589 \vfill
21590 }%
21591 \rot@message{\the\rot@mess@toks}
21592 }%
21593 \end@float
21594 }
21595 \let\endsidewaysfigure\end@rotfloat
21596 \let\endsidewaystable\end@rotfloat
21597 \def\end@rotdblfloat{%
21598 \end{minipage}\end{lrbox}%
21599 \stepcounter{r@tfl@t}%
21600 \rot@label{RF\ther@tfl@t}%
21601 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21602 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
21603 \rot@mess@toks\expandafter{\@tempa}
21604 \@tempdima\ht\rot@float@box
21605 \advance\@tempdima by \dp\rot@float@box
21606 \wd\rot@float@box\z@
21607 \ht\rot@float@box\z@
21608 \dp\rot@float@box\z@
21609 \vboxL to \textheight{%
21610 \setkeys{Grot}{units=360}%
21611 \if@rot@twoside
21612 \else
21613 \let\R@@page\rot@LR
21614 \fi
21615 \ifthenelse{\isodd{\R@@page}}{%
21616 \ifrot@messages
21617 \if@rot@twoside
21618 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
21619 \fi
21620 \fi

```



```

21621      \vfill
21622      \@@line{%
21623          \hskip\rotFPtop
21624          \rotatebox{90}{\box\rot@float@box}%
21625          \hskip\rotFPbot
21626      }%
21627  }{%
21628      \ifrot@messages
21629      \ifrot@twoside
21630      \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
21631 \fi
21632      \fi%
21633      \@@line{%
21634          \hskip\rotFPbot
21635          \rotatebox{-90}{\box\rot@float@box}%
21636          \hskip\rotFPtop
21637      }%
21638      \vfill
21639  }%
21640      \rot@message{\the\rot@mess@toks}%
21641  }%
21642  \end@dblfloat
21643 }
21644 \def\turn#1{%
21645     \Grot@setangle{#1}%
21646     \setbox\z@ \color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21647 \def\endturn{%
21648     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21649     \unskip\color@endbox
21650     \Grot@x\z@
21651     \Grot@y\z@
21652     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21653 }
21654 \def\rotate#1{%
21655     \Grot@setangle{#1}%
21656     \setbox\z@ \color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21657 \def\endrotate{%
21658     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21659     \unskip\color@endbox
21660     \Grot@x\z@
21661     \Grot@y\z@
21662     \wd0\z@\dp0\z@\ht0\z@
21663     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21664 }
21665 \def\turnbox#1#2{%
21666     \Grot@setangle{#1}%
21667     \setbox\z@ \hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
21668     \Grot@x\z@\Grot@y\z@
21669     \wd0\z@\dp0\z@\ht0\z@
21670     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21671 }
21672 \def\sideways{%
21673     \Grot@setangle{90}%
21674     \setbox\z@ \color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}

```



```

21675 \def\endsideways{%
21676   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21677   \unskip\color@endbox
21678   \Grot@x\z@
21679   \Grot@y\z@
21680   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21681 }

```

140 File scrartcl-xetex-bidi.def

```

21682 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class]
21683 \newcommand{\scr@saved@LTRfootnotetext}{}
21684 \newcommand{\scr@saved@RTLfootnotetext}{}
21685 \let\scr@saved@footnotetext\@footnotetext
21686 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
21687 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
21688 \renewcommand{\@footnotetext}[1]{%
21689   \scr@saved@footnotetext{#1}%
21690   \csname FN@mf@prepare\endcsname
21691 }
21692 \renewcommand{\@LTRfootnotetext}[1]{%
21693   \scr@saved@LTRfootnotetext{#1}%
21694   \csname FN@mf@prepare\endcsname
21695 }
21696 \renewcommand{\@RTLfootnotetext}[1]{%
21697   \scr@saved@RTLfootnotetext{#1}%
21698   \csname FN@mf@prepare\endcsname
21699 }
21700 \renewcommand\deffootnote[4][1]{%
21701   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
21702     \long\def\@makefnmark##1{%
21703       \ExecuteDoHook{footnote/text/begin}%
21704       \raggedfootnote
21705       \if@RTL
21706         \rightskip
21707       \else
21708         \leftskip
21709       \fi
21710       #2
21711       \l@addto@macro\@trivlist{%
21712         \ifnum\@listdepth=\@ne
21713           \if@RTL
21714             \advance\rightmargin #2\relax
21715           \else
21716             \advance\leftmargin #2\relax
21717           \fi
21718         \fi
21719       }%
21720       \parindent #3\noindent
21721       \IfArgIsEmpty{#1}{}{}%
21722       \hskip \dimexpr #1-#2\relax
21723     }%
21724     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21725     \ExecuteDoHook{footnote/text/end}%

```



```

21726 }%
21727 \else
21728 \ClassInfo{\KOMAClassName}{%
21729 Using old \string\@makefnmark\space due to compatibility
21730 level\MessageBreak
21731 less than 3.22}%
21732 \long\def\@makefnmark##1{%
21733 \setlength{\@tempdimc}{#3}%
21734 \def\@tempa{#1}\ifx\@tempa\@empty
21735 \setpar{\@par
21736 \@tempdima = \hsize
21737 \addtolength{\@tempdima}{-#2}%
21738 \ifRTL
21739 \parshape \@ne \z@ \@tempdima
21740 \else
21741 \parshape \@ne #2 \@tempdima
21742 \fi}%
21743 \else
21744 \addtolength{\@tempdimc}{#2}%
21745 \addtolength{\@tempdimc}{-#1}%
21746 \setpar{\@par
21747 \@tempdima = \hsize
21748 \addtolength{\@tempdima}{-#1}%
21749 \@tempdimb = \hsize
21750 \addtolength{\@tempdimb}{-#2}%
21751 \ifRTL
21752 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
21753 \else
21754 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
21755 \fi
21756 }%
21757 \fi
21758 \par
21759 \parindent\@tempdimc\noindent
21760 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21761 }%
21762 \fi
21763 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
21764 }
21765 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
21766 \renewcommand*\left@footnoterule{%
21767 \normalsize\ftn@rule@test@values
21768 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21769 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21770 {\usekomafont{footnoterule}{%
21771 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
21772 \kern 2.6\p@}
21773 \renewcommand*\right@footnoterule{%
21774 \normalsize\ftn@rule@test@values
21775 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21776 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21777 {\usekomafont{footnoterule}{%
21778 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
21779 \kern 2.6\p@}

```



```

21780 \renewcommand*\maketitle[1][1]{%
21781 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
21782 \else
21783 \def\and{%
21784 \end{tabular}%
21785 \hskip 1em \@plus.17fil%
21786 \begin{tabular}[t]{c}%
21787 }%
21788 \fi
21789 \if@titlepage
21790 \begin{titlepage}
21791 \setcounter{page}{%
21792 #1%
21793 }%
21794 \if@titlepageiscoverpage
21795 \edef\tITLEPAGE@restore{%
21796 \noexpand\endgroup
21797 \noexpand\global\noexpand\@colht\the\@colht
21798 \noexpand\global\noexpand\@colroom\the\@colroom
21799 \noexpand\global\vsizethe\vsizethe
21800 \noexpand\global\noexpand\@titlepageiscoverpagefalse
21801 \noexpand\let\noexpand\tITLEPAGE@restore\noexpand\relax
21802 }%
21803 \begin{group}
21804 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
21805 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
21806 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
21807 \textwidth=\dimexpr
21808 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
21809 \textheight=\dimexpr
21810 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
21811 \headheight=0pt
21812 \headsep=0pt
21813 \footskip=\baselineskip
21814 \@colht=\textheight
21815 \@colroom=\textheight
21816 \vsizethe\textheight
21817 \columnwidth=\textwidth
21818 \hsize=\columnwidth
21819 \linewidth=\hsize
21820 \else
21821 \let\tITLEPAGE@restore\relax
21822 \fi
21823 \let\footnotesize\small
21824 \let\right@footnoterule\relax
21825 \let\left@footnoterule\relax
21826 \let\textwidth@footnoterule\relax
21827 \let\footnote\thanks
21828 \let\LTRfootnote\LTRthanks
21829 \let\RTLfootnote\RTLthanks
21830 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21831 \let\@oldmakefnmark\@makefnmark
21832 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
21833 \ifx\@extratitle\@empty

```



```

21834 \ifx\@frontispiece\@empty
21835 \else
21836 \if@twoside\mbox{}\next@tpage\fi
21837 \noindent\@frontispiece\next@tdpage
21838 \fi
21839 \else
21840 \noindent\@extratitle
21841 \ifx\@frontispiece\@empty
21842 \else
21843 \next@tpage
21844 \noindent\@frontispiece
21845 \fi
21846 \next@tdpage
21847 \fi
21848 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update@relative
21849 \ifx\@titlehead\@empty \else
21850 \begin{minipage}[t]{\textwidth}%
21851 \usekomafont{titlehead}{\@titlehead\par}%
21852 \end{minipage}\par
21853 \fi
21854 \null\vfill
21855 \begin{center}
21856 \ifx\@subject\@empty \else
21857 {\usekomafont{subject}{\@subject\par}}%
21858 \vskip 3em
21859 \fi
21860 {\usekomafont{title}{\huge \@title\par}}%
21861 \vskip 1em
21862 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
21863 \vskip 2em
21864 {%
21865 \usekomafont{author}{%
21866 \lineskip 0.75em
21867 \begin{tabular}[t]{c}
21868 \@author
21869 \end{tabular}\par
21870 }%
21871 }%
21872 \vskip 1.5em
21873 {\usekomafont{date}{\@date \par}}%
21874 \vskip \z@ \@plus3fill
21875 {\usekomafont{publishers}{\@publishers \par}}%
21876 \vskip 3em
21877 \end{center}\par
21878 \@thanks\global\let\@thanks\@empty
21879 \vfill\null
21880 \if@twoside
21881 \@temp@true
21882 \expandafter\ifnum \@nameuse{scr@v3.12}>\scr@compatibility\relax
21883 \else
21884 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
21885 \@temp@false
21886 \fi\fi
21887 \fi

```



```

21888     \if@tempswa
21889         \next@tpage
21890         \begin{minipage}[t]{\textwidth}
21891             \@uppertitleback
21892         \end{minipage}\par
21893         \vfill
21894         \begin{minipage}[b]{\textwidth}
21895             \@lowertitleback
21896         \end{minipage}\par
21897         \@thanks\global\let\@thanks\@empty
21898     \fi
21899 \else
21900     \ifx\@uppertitleback\@empty\else
21901         \ClassWarning{\KOMAClassName}{%
21902             non empty \string\uppertitleback\space ignored
21903             by \string\maketitle\MessageBreak
21904             in `twoside=false' mode%
21905         }%
21906     \fi
21907     \ifx\@lowertitleback\@empty\else
21908         \ClassWarning{\KOMAClassName}{%
21909             non empty \string\lowertitleback\space ignored
21910             by \string\maketitle\MessageBreak
21911             in `twoside=false' mode%
21912         }%
21913     \fi
21914 \fi
21915 \ifx\@dedication\@empty
21916 \else
21917     \next@tdpage\null\vfill
21918     {\centering\usekomafont{dedication}{\@dedication \par}}%
21919     \vskip \z@ \@plus3fill
21920     \@thanks\global\let\@thanks\@empty
21921     \cleardoubleemptypage
21922 \fi
21923 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
21924 \end{titlepage}
21925 \else
21926     \par
21927     \@tempcnta=%
21928     #1%
21929     \relax\ifnum\@tempcnta=1\else
21930         \ClassWarning{\KOMAClassName}{%
21931             Optional argument of \string\maketitle\space ignored\MessageBreak
21932             in `titlepage=false' mode%
21933         }%
21934     \fi
21935     \ifx\@uppertitleback\@empty\else
21936         \ClassWarning{\KOMAClassName}{%
21937             non empty \string\uppertitleback\space ignored
21938             by \string\maketitle\MessageBreak
21939             in `titlepage=false' mode%
21940         }%
21941     \fi

```



```

21942 \ifx\@lowertitleback\@empty\else
21943   \ClassWarning{\KOMAClassName}{%
21944     non empty \string\lowertitleback\space ignored
21945     by \string\maketitle\MessageBreak
21946     in `titlepage=false' mode%
21947   }%
21948 \fi
21949 \begingroup
21950   \let\titlepage@restore\relax
21951   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21952   \let\@oldmakefnmark\@makefnmark
21953   \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
21954   \next@tdpage
21955   \if@twocolumn
21956     \ifnum \col@number=\@ne
21957       \ifx\@extratitle\@empty
21958         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21959       \else
21960         \@makeextratitle
21961       \fi
21962       \ifx\@frontispiece\@empty
21963         \ifx\@extratitle\@empty\else\next@tdpage\fi
21964       \else
21965         \next@tpage
21966         \@makefrontispiece
21967         \next@tdpage
21968       \fi
21969       \@maketitle
21970     \else
21971       \ifx\@extratitle\@empty
21972         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21973       \else
21974         \twocolumn[\@makeextratitle]%
21975       \fi
21976       \ifx\@frontispiece\@empty
21977         \ifx\@extratitle\@empty\else\next@tdpage\fi
21978       \else
21979         \next@tpage
21980         \twocolumn[\@makefrontispiece]%
21981         \next@tdpage
21982       \fi
21983       \twocolumn[\@maketitle]%
21984     \fi
21985   \else
21986     \ifx\@extratitle\@empty
21987       \ifx\@frontispiece\@empty\else \mbox{}\fi
21988     \else
21989       \@makeextratitle
21990     \fi
21991     \ifx\@frontispiece\@empty
21992       \ifx\@extratitle\@empty\else\next@tdpage\fi
21993     \else
21994       \next@tpage
21995       \@makefrontispiece

```



```

21996         \next@tdpage
21997     \fi
21998     \@maketitle
21999 \fi
22000     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
22001     \@thanks\global\let\@thanks\@empty
22002 \endgroup
22003 \fi
22004 \setcounter{footnote}{0}%
22005 \expandafter\ifnum \csname scr@v3.12\endcsname>\scr@compatibility\relax
22006     \let\thanks\relax
22007     \let\LTRthanks\relax
22008     \let\RTLthanks\relax
22009     \let\maketitle\relax
22010     \let\@maketitle\relax
22011     \global\let\@thanks\@empty
22012     \global\let\@author\@empty
22013     \global\let\@date\@empty
22014     \global\let\@title\@empty
22015     \global\let\@subtitle\@empty
22016     \global\let\@extratitle\@empty
22017     \global\let\@frontispiece\@empty
22018     \global\let\@titlehead\@empty
22019     \global\let\@subject\@empty
22020     \global\let\@publishers\@empty
22021     \global\let\@uppertitleback\@empty
22022     \global\let\@lowertitleback\@empty
22023     \global\let\@dedication\@empty
22024     \global\let\author\relax
22025     \global\let\title\relax
22026     \global\let\extratitle\relax
22027     \global\let\titlehead\relax
22028     \global\let\subject\relax
22029     \global\let\publishers\relax
22030     \global\let\uppertitleback\relax
22031     \global\let\lowertitleback\relax
22032     \global\let\dedication\relax
22033     \global\let\date\relax
22034 \fi
22035 \global\let\and\relax
22036 }%
22037 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
22038 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
22039 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
22040 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
22041 \renewcommand*{\thesubsubsection}{%
22042   \thesubsection\@SepMark\@arabic\c@subsubsection
22043 }
22044 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
22045 \renewcommand*{\thesubparagraph}{%
22046   \theparagraph\@SepMark\@arabic\c@subparagraph
22047 }
22048 \renewenvironment{thebibliography}[1]{%
22049   \if@bib@break@

```



```

22050 \bib@beginhook
22051 \else
22052 \bib@heading
22053 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
22054 \noindent\bibpreamble\par\nobreak
22055 \fi\fi
22056 \bib@beginhook
22057 \bib@before@hook
22058 \fi
22059 \renewcommand{\BreakBibliography}[1]{%
22060 \@bib@break
22061 \end{thebibliography}%
22062 \begingroup ##1\endgroup
22063 \begin{thebibliography}{#1}
22064 }%
22065 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
22066 \bidi@thebibliography@font@hook%
22067 \list{%
22068 \@biblabel{\@arabic\c@enumiv}%
22069 }{%
22070 \settowidth\labelwidth{\@biblabel{#1}}%
22071 \leftmargin\labelwidth
22072 \advance\leftmargin\labelsep
22073 \@openbib@code
22074 \if@bib@break@
22075 \edef\@tempa{%
22076 \noexpand\usecounter{enumiv}%
22077 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
22078 }\@tempa
22079 \no@bib@break
22080 \else
22081 \usecounter{enumiv}%
22082 \fi
22083 \let\p@enumiv\@empty
22084 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
22085 }%
22086 \sloppy\clubpenalty4000 \widowpenalty4000
22087 \sfcode`\.\@m
22088 }{%
22089 \if@bib@break@
22090 \def\@noitemerr{%
22091 \@latex@warning{%
22092 \string\BreakBibliography\space at begin of `thebibliography'
22093 environment\MessageBreak
22094 or following \string\BreakBibliography}%
22095 }%
22096 \else
22097 \def\@noitemerr{%
22098 \@latex@warning{%
22099 Empty `thebibliography' environment or
22100 \string\BreakBibliography\MessageBreak
22101 before end of `thebibliography' environment}%
22102 }%
22103 \fi

```



```

22104 \endlist
22105 \if@bib@break@
22106 \else
22107   \bib@after@hook
22108   \let\bib@before@hook\@empty
22109   \let\bib@after@hook\@empty
22110 \fi
22111 \bib@endhook
22112 }
22113 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
22114 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
22115 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
22116 \renewcommand\marginline[1]{%
22117   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi{#1}}
22118 }
22119 \renewcommand{\@@makecaption}[3]{%
22120   \cap@margin
22121   \begingroup
22122     \ifonlinecaptions
22123       \def\stepcounter##1{\advance\value{##1}\@ne}%
22124       \let\refstepcounter\stepcounter
22125       \let\label\@gobble
22126       \let\@footnotetext=\@gobble
22127       \let\@LTRfootnotetext=\@gobble
22128       \let\@RTLfootnotetext=\@gobble
22129       \let\hypertarget\@gobbletwo
22130       \edef\xnewline{%
22131         \unexpanded{\ClassInfo{\KOMAClassName}{%
22132           Workaround for not recommended usage of \string\\ or\MessageBreak
22133           \string\newline in caption text
22134         }}%
22135         \hspace*{\linewidth}\hspace{1sp}%
22136       }%
22137       \unexpanded\expandafter{\xnewline}%
22138     }%
22139     \edef\xcentercr{%
22140       \unexpanded{\ClassInfo{\KOMAClassName}{%
22141         Workaround for not recommended usage of \string\\ or\MessageBreak
22142         \string\newline in caption text
22143       }}%
22144       \hspace*{\linewidth}\hspace{1sp}%
22145     }%
22146     \unexpanded\expandafter{\xcentercr}%
22147   }%
22148   \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
22149   \ifdim\@tempdima>\cap@width
22150     \aftergroup\scr@makemultilinecaption
22151   \else
22152     \aftergroup\scr@makesinglelinecaption
22153   \fi
22154 \else
22155   \aftergroup\scr@makemultilinecaption
22156 \fi
22157 \endgroup

```



```

22158   {#1}{#2}{#3}%
22159 }
22160 \renewcommand{\scr@makesinglelinecaption}[3]{%
22161   {%
22162     \usefontofkomafont{caption}{%
22163       \hb@xt@{\hsize{%
22164         \cap@left
22165         \if@RTL
22166         \beginR
22167         \fi
22168         \scr@makesinglelinecaption{#1}{#2}{#3}%
22169         \if@RTL
22170         \endR
22171         \fi
22172         \cap@right
22173       }\par\kern\dp\strutbox%
22174     }%
22175   }\kern-\dp\strutbox
22176 }
22177 \renewcommand{\@makecaption}[2]{%
22178   \if@captionabove
22179     \vskip\belowcaptionskip
22180   \else
22181     \vskip\abovecaptionskip
22182   \fi
22183   \@makecaption\@firstofone{#1}{#2}%
22184   \if@captionabove
22185     \vskip\abovecaptionskip
22186   \else
22187     \vskip\belowcaptionskip
22188   \fi
22189 }
22190
22191 \renewcommand{\scr@makesinglelinecaption}[3]{%
22192   {\usekomafont{caption}{\strut\ignorespaces
22193     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
22194   \ignorespaces #3\unskip}}%
22195 }
22196
22197 \renewcommand{\scr@makemultilinecaption}[3]{%
22198   {%
22199     \usefontofkomafont{caption}{%
22200       \hb@xt@{\hsize{%
22201         \cap@left
22202         \vbox{\hsize\cap@width\linewidth\hsize
22203           \scr@ifundefinedorrelax{@captype}{%
22204             \ClassWarning{KOMAClassName}{%
22205               ``\string\caption' outside float.\MessageBreak
22206               Seems you are using ``\string\caption' outside a
22207               float.\MessageBreak
22208               Maybe you are using a package that uses
22209               ``\string\@makecaption'\MessageBreak
22210               without setting ``\string\@captype' before.\MessageBreak
22211               Because I cannot detect the caption type, I'm using\MessageBreak

```



```

22212         the empty one.%
22213     }%
22214     \let\@capttype\@empty
22215 }-%
22216 \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
22217     \@nameuse{ragged\@capttype caption}%
22218 }%
22219 \ifdofullc@p
22220     \@hangfrom{%
22221         \strut
22222         \scr@smashdp{%
22223             #1{%
22224                 \usekomafont{caption}{%
22225                     \usekomafont{captionlabel}{#2\captionformat}%
22226                 }%
22227             }%
22228         }%
22229     }%
22230     {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
22231 \else
22232     \ifdim\cap@indent<\z@
22233         \strut
22234         #1{%
22235             {\usekomafont{caption}{%
22236                 \usekomafont{captionlabel}{#2\captionformat}%
22237             }%
22238         }\par}%
22239         \noindent{{\usekomafont{caption}{%
22240             \hspace*{-\cap@indent}#3\scr@endstrut
22241         }}\par}%
22242     \else
22243         \if@capbreak
22244             \strut
22245             #1{%
22246                 {\usekomafont{caption}{%
22247                     \usekomafont{captionlabel}{#2\captionformat}%
22248                 }%
22249             }\par}%
22250         \noindent\@hangfrom{\hspace*{\cap@indent}}%
22251         {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
22252     \else
22253         \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
22254         {%
22255             \hspace{-\cap@indent}%
22256             \scr@smashdp{%
22257                 #1{\usekomafont{caption}{%
22258                     \usekomafont{captionlabel}{#2\captionformat}%
22259                 }%
22260             }%
22261         }%
22262         {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
22263     }%
22264 \fi
22265 \fi

```



```

22266         \fi
22267     }%
22268     \cap@right
22269     }\par\kern\dp\strutbox
22270 }%
22271 }\kern-\dp\strutbox
22272 }
22273
22274 \bidi@AfterFile{longtable-xetex-bidi.def}{%
22275     \if@komalongtable
22276         \renewcommand{\LT@makecaption}[3]{%
22277             \noalign{%
22278                 \if@captionabove
22279                     \vskip\belowcaptionskip
22280                 \else
22281                     \vskip\abovecaptionskip
22282                 \fi
22283             }%
22284             \LT@mcol\LT@cols c{%
22285                 \hbox to\z@{\hss\parbox[t]{\linewidth{%
22286                     \def\@capttype{table}%
22287                     \@makecaption{#1}{#2}{#3}%
22288                     \endgraf
22289                     \if@captionabove
22290                         \vskip\abovecaptionskip
22291                     \else
22292                         \vskip\belowcaptionskip
22293                     \fi
22294                 }%
22295                 \hss
22296             }%
22297         }%
22298     }%
22299     \renewcommand*{\scr@LT@array}{}%
22300     \let\scr@LT@array=\LT@array
22301     \renewcommand*{\LT@array}{%
22302         \let\scr@caption=\LT@caption
22303         \def\captionabove{\noalign{\global\@captionabovetrue}%
22304             \scr@caption}%
22305         \def\captionbelow{\noalign{\global\@captionabovetrue}%
22306             \scr@caption}%
22307         \if@tablecaptionabove
22308             \let\LT@caption=\captionabove
22309         \else
22310             \let\LT@caption=\captionbelow
22311         \fi
22312         \scr@LT@array
22313     }%
22314     \ClassInfo{\KOMAClassName}{%
22315         longtable captions redefined%
22316     }%
22317 \fi
22318 }
22319

```



```

22320 \CloneTOCEntryStyle{tocline}{part}
22321 \TOCEntryStyleStartInitCode{part}{%
22322   \expandafter\renewcommand%
22323   \csname scr@tso@#1@linefill\endcsname{\hfill}%
22324   \expandafter\renewcommand%
22325   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
22326   \expandafter\renewcommand%
22327   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22328     {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
22329   \expandafter\renewcommand\expandafter*%
22330   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
22331 }
22332
22333 \CloneTOCEntryStyle{tocline}{section}
22334 \TOCEntryStyleStartInitCode{section}{%
22335   \expandafter\renewcommand%
22336   \csname scr@tso@#1@linefill\endcsname{%
22337     \if@sectionentrywithdots
22338       {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
22339     \else
22340       \hfill
22341     \fi
22342   }%
22343   \expandafter\renewcommand%
22344   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
22345   \expandafter\renewcommand%
22346   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont
22347   \expandafter\renewcommand\expandafter*%
22348   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
22349 }
22350
22351 \CloneTOCEntryStyle{tocline}{subsection}
22352 \TOCEntryStyleStartInitCode{subsection}{%
22353   \expandafter\renewcommand%
22354   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
22355   \expandafter\renewcommand%
22356   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22357     {\normalfont\normalcolor ##1}}%
22358 }
22359
22360 \CloneTOCEntryStyle{subsection}{default}
22361
22362 \DeclareSectionCommand[%
22363   style=section,%
22364   level=1,%
22365   indent=\z@,%
22366   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
22367   afterskip=2.3ex \@plus .2ex,%
22368   tocstyle=section,%
22369   tocindent=0pt,%
22370   tocnumwidth=1.5em%
22371 ]{section}
22372 \DeclareSectionCommand[%
22373   style=part,%

```



```

22374 level=\z@,%
22375 tocstyle=part,%
22376 toclevel=\m@ne,%
22377 tocindent=\z@,%
22378 tocnumwidth=2em%
22379 ]{part}
22380 \DeclareSectionCommand[%
22381   style=section,%
22382   level=2,%
22383   indent=\z@,%
22384   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
22385   afterskip=1.5ex \@plus .2ex,%
22386   tocstyle=subsection,%
22387   tocindent=1.5em,%
22388   tocnumwidth=2.3em%
22389 ]{subsection}
22390 \DeclareSectionCommand[%
22391   style=section,%
22392   level=3,%
22393   indent=\z@,%
22394   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
22395   afterskip=1.5ex \@plus .2ex,%
22396   tocstyle=subsection,%
22397   tocindent=3.8em,%
22398   tocnumwidth=3.2em%
22399 ]{subsubsection}
22400 \DeclareSectionCommand[%
22401   style=section,%
22402   level=4,%
22403   indent=\z@,%
22404   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
22405   afterskip=-1em,%
22406   tocstyle=subsection,%
22407   tocindentfollows=subsubsection,%
22408   tocindent=7.0em,%
22409   tocnumwidth=4.1em%
22410 ]{paragraph}
22411 \DeclareSectionCommand[%
22412   style=section,%
22413   level=5,%
22414   indent=\scr@parindent,%
22415   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
22416   afterskip=-1em,%
22417   tocstyle=subsection,%
22418   tocindent=10em,%
22419   tocnumwidth=5em%
22420 ]{subparagraph}

```

141 File scrbook-xetex-bidi.def

```

22421 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class fo
22422 \newcommand{\scr@saved@LTRfootnotetext}{}
22423 \newcommand{\scr@saved@RTLfootnotetext}{}
22424 \let\scr@saved@footnotetext\@footnotetext

```



```

22425 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
22426 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
22427 \renewcommand{\@footnotetext}[1]{%
22428   \scr@saved@footnotetext{#1}%
22429   \csname FN@mf@prepare\endcsname
22430 }
22431 \renewcommand{\@LTRfootnotetext}[1]{%
22432   \scr@saved@LTRfootnotetext{#1}%
22433   \csname FN@mf@prepare\endcsname
22434 }
22435 \renewcommand{\@RTLfootnotetext}[1]{%
22436   \scr@saved@RTLfootnotetext{#1}%
22437   \csname FN@mf@prepare\endcsname
22438 }
22439 \renewcommand\deffootnote[4][ ]{%
22440   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
22441     \long\def\@makefntext##1{%
22442       \ExecuteDoHook{footnote/text/begin}%
22443       \raggedfootnote
22444       \if@RTL
22445         \rightskip
22446       \else
22447         \leftskip
22448       \fi
22449       #2
22450       \l@addto@macro\@trivlist{%
22451         \ifnum\@listdepth=\@ne\advance
22452           \if@RTL
22453             \rightmargin #2\relax
22454           \else
22455             \leftmargin #2\relax
22456           \fi
22457         \fi
22458       }%
22459       \parindent #3\noindent
22460       \IfArgIsEmpty{#1}{-}{%
22461         \hskip \dimexpr #1-#2\relax
22462       }%
22463       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22464       \ExecuteDoHook{footnote/text/end}%
22465     }%
22466   \else
22467     \ClassInfo{\KOMAClassName}{%
22468       Using old \string\@makefntext\space due to compatibility
22469       level\MessageBreak
22470       less than 3.22}%
22471     \long\def\@makefntext##1{%
22472       \setlength{\@tempdimc}{#3}%
22473       \def\@tempa{#1}\ifx\@tempa\@empty
22474         \setpar{\@par
22475           \@tempdima = \hsize
22476           \addtolength{\@tempdima}{-#2}%
22477           \if@RTL
22478             \parshape \@ne \z@ \@tempdima

```



```

22479         \else
22480             \parshape \@ne #2 \@tempdima
22481         \fi
22482     }%
22483 \else
22484     \addtolength{\@tempdimc}{#2}%
22485     \addtolength{\@tempdimc}{-#1}%
22486     \@setpar{\@par
22487         \@tempdima = \hsize
22488         \addtolength{\@tempdima}{-#1}%
22489         \@tempdimb = \hsize
22490         \addtolength{\@tempdimb}{-#2}%
22491         \if@RTL
22492             \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
22493         \else
22494             \parshape \tw@ #1 \@tempdima #2 \@tempdimb
22495         \fi
22496     }%
22497 \fi
22498 \par
22499 \parindent\@tempdimc\noindent
22500 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22501 }%
22502 \fi
22503 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
22504 }
22505 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
22506 \renewcommand*\left@footnoterule{%
22507     \normalsize\ftn@rule@test@values
22508     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22509     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22510     {\usekomafont{footnoterule}{%
22511         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
22512     \kern 2.6\p@}
22513 \renewcommand*\right@footnoterule{%
22514     \normalsize\ftn@rule@test@values
22515     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22516     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22517     {\usekomafont{footnoterule}{%
22518         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
22519         \kern 2.6\p@}
22520 \renewcommand*\maketitle[1][1]{%
22521     \expandafter\ifnum \cscname scr@v03.12\endcsname>\scr@compatibility\relax
22522     \else
22523         \def\and{%
22524             \end{tabular}%
22525             \hskip 1em \@plus.17fil%
22526             \begin{tabular}[t]{c}%
22527         }%
22528     \fi
22529     \if@titlepage
22530         \begin{titlepage}
22531             \setcounter{page}{%
22532                 #1%

```



```

22533 }%
22534 \if@titlepageiscoverpage
22535   \edef\titlepage@restore{%
22536     \noexpand\endgroup
22537     \noexpand\global\noexpand\@colht\the\@colht
22538     \noexpand\global\noexpand\@colroom\the\@colroom
22539     \noexpand\global\vsizethe\vsizethe
22540     \noexpand\global\noexpand\@titlepageiscoverpagefalse
22541     \noexpand\let\noexpand\titlepage@restore\noexpand\relax
22542   }%
22543   \begingroup
22544   \topmargin=\dimexpr \coverpagetopmargin-1in\relax
22545   \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
22546   \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
22547   \textwidth=\dimexpr
22548   \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
22549   \textheight=\dimexpr
22550   \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
22551   \headheight=0pt
22552   \headsep=0pt
22553   \footskip=\baselineskip
22554   \@colht=\textheight
22555   \@colroom=\textheight
22556   \vsizethe\textheight
22557   \columnwidth=\textwidth
22558   \hsizethe\columnwidth
22559   \linewidth=\hsizethe
22560 \else
22561   \let\titlepage@restore\relax
22562 \fi
22563 \let\footnotesize\small
22564 \let\right@footnoterule\relax
22565 \let\left@footnoterule\relax
22566 \let\textwidth@footnoterule\relax
22567 \let\footnote\thanks
22568 \let\LTRfootnote\LTRthanks
22569 \let\RTLfootnote\RTLthanks
22570 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22571 \let\@oldmakefnmark\@makefnmark
22572 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
22573 \ifx\@extratitle\@empty
22574   \ifx\@frontispiece\@empty
22575     \else
22576       \if@twoside\mbox{}\next@tpage\fi
22577       \noindent\@frontispiece\next@tdpage
22578     \fi
22579   \else
22580     \noindent\@extratitle
22581     \ifx\@frontispiece\@empty
22582       \else
22583         \next@tpage
22584         \noindent\@frontispiece
22585       \fi
22586     \next@tdpage

```



```

22587 \fi
22588 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
22589 \ifx\@titlehead\@empty \else
22590 \begin{minipage}[t]{\textwidth}%
22591 \usekomafont{titlehead}{\@titlehead\par}%
22592 \end{minipage}\par
22593 \fi
22594 \null\vfill
22595 \begin{center}
22596 \ifx\@subject\@empty \else
22597 {\usekomafont{subject}{\@subject\par}}%
22598 \vskip 3em
22599 \fi
22600 {\usekomafont{title}{\huge \@title\par}}%
22601 \vskip 1em
22602 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
22603 \vskip 2em
22604 {%
22605 \usekomafont{author}{%
22606 \lineskip 0.75em
22607 \begin{tabular}[t]{c}
22608 \@author
22609 \end{tabular}\par
22610 }%
22611 }%
22612 \vskip 1.5em
22613 {\usekomafont{date}{\@date \par}}%
22614 \vskip \z@ \@plus3fil
22615 {\usekomafont{publishers}{\@publishers \par}}%
22616 \vskip 3em
22617 \end{center}\par
22618 \@thanks\global\let\@thanks\@empty
22619 \vfill\null
22620 \if@twoside
22621 \@tempswatrue
22622 \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
22623 \else
22624 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
22625 \@tempswafalse
22626 \fi\fi
22627 \fi
22628 \if@tempswa
22629 \next@tpage
22630 \begin{minipage}[t]{\textwidth}
22631 \@uppertitleback
22632 \end{minipage}\par
22633 \vfill
22634 \begin{minipage}[b]{\textwidth}
22635 \@lowertitleback
22636 \end{minipage}\par
22637 \@thanks\global\let\@thanks\@empty
22638 \fi
22639 \else
22640 \ifx\@uppertitleback\@empty\else

```



```

22641         \ClassWarning{\KOMAClassName}{%
22642             non empty \string\uppertitleback\space ignored
22643             by \string\maketitle\MessageBreak
22644             in `twoside=false' mode%
22645         }%
22646     \fi
22647     \ifx\@lowertitleback\@empty\else
22648         \ClassWarning{\KOMAClassName}{%
22649             non empty \string\lowertitleback\space ignored
22650             by \string\maketitle\MessageBreak
22651             in `twoside=false' mode%
22652         }%
22653     \fi
22654 \fi
22655 \ifx\@dedication\@empty
22656 \else
22657     \next@tdpage\null\vfill
22658     {\centering\usekomafont{dedication}{\@dedication \par}}%
22659     \vskip \z@ \@plus3fill
22660     \@thanks\global\let\@thanks\@empty
22661     \cleardoubleemptypage
22662 \fi
22663 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
22664 \end{titlepage}
22665 \else
22666     \par
22667     \@tempcnta=
22668     #1%
22669     \relax\ifnum\@tempcnta=1\else
22670         \ClassWarning{\KOMAClassName}{%
22671             Optional argument of \string\maketitle\space ignored\MessageBreak
22672             in `titlepage=false' mode%
22673         }%
22674     \fi
22675     \ifx\@uppertitleback\@empty\else
22676         \ClassWarning{\KOMAClassName}{%
22677             non empty \string\uppertitleback\space ignored
22678             by \string\maketitle\MessageBreak
22679             in `titlepage=false' mode%
22680         }%
22681     \fi
22682     \ifx\@lowertitleback\@empty\else
22683         \ClassWarning{\KOMAClassName}{%
22684             non empty \string\lowertitleback\space ignored
22685             by \string\maketitle\MessageBreak
22686             in `titlepage=false' mode%
22687         }%
22688     \fi
22689     \begingroup
22690         \let\titlepage@restore\relax
22691         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22692         \let\@oldmakefnmark\@makefnmark
22693         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
22694     \next@tdpage

```



```

22695 \if@twocolumn
22696 \ifnum \col@number=\@ne
22697 \ifx\@extratitle\@empty
22698 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22699 \else
22700 \@makeextratitle
22701 \fi
22702 \ifx\@frontispiece\@empty
22703 \ifx\@extratitle\@empty\else\next@tdpage\fi
22704 \else
22705 \next@tpage
22706 \@makefrontispiece
22707 \next@tdpage
22708 \fi
22709 \@maketitle
22710 \else
22711 \ifx\@extratitle\@empty
22712 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22713 \else
22714 \twocolumn[\@makeextratitle]%
22715 \fi
22716 \ifx\@frontispiece\@empty
22717 \ifx\@extratitle\@empty\else\next@tdpage\fi
22718 \else
22719 \next@tpage
22720 \twocolumn[\@makefrontispiece]%
22721 \next@tdpage
22722 \fi
22723 \twocolumn[\@maketitle]%
22724 \fi
22725 \else
22726 \ifx\@extratitle\@empty
22727 \ifx\@frontispiece\@empty\else \mbox{}\fi
22728 \else
22729 \@makeextratitle
22730 \fi
22731 \ifx\@frontispiece\@empty
22732 \ifx\@extratitle\@empty\else\next@tdpage\fi
22733 \else
22734 \next@tpage
22735 \@makefrontispiece
22736 \next@tdpage
22737 \fi
22738 \@maketitle
22739 \fi
22740 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
22741 \@thanks\global\let\@thanks\@empty
22742 \endgroup
22743 \fi
22744 \setcounter{footnote}{0}%
22745 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
22746 \let\thanks\relax
22747 \let\LTRthanks\relax
22748 \let\RTLthanks\relax

```



```

22749 \let\maketitle\relax
22750 \let\@maketitle\relax
22751 \global\let\@thanks\@empty
22752 \global\let\@author\@empty
22753 \global\let\@date\@empty
22754 \global\let\@title\@empty
22755 \global\let\@subtitle\@empty
22756 \global\let\@extratitle\@empty
22757 \global\let\@frontispiece\@empty
22758 \global\let\@titlehead\@empty
22759 \global\let\@subject\@empty
22760 \global\let\@publishers\@empty
22761 \global\let\@uppertitleback\@empty
22762 \global\let\@lowertitleback\@empty
22763 \global\let\@dedication\@empty
22764 \global\let\author\relax
22765 \global\let\title\relax
22766 \global\let\extratitle\relax
22767 \global\let\titlehead\relax
22768 \global\let\subject\relax
22769 \global\let\publishers\relax
22770 \global\let\uppertitleback\relax
22771 \global\let\lowertitleback\relax
22772 \global\let\dedication\relax
22773 \global\let\date\relax
22774 \fi
22775 \global\let\and\relax
22776 }%
22777 \def\raggedsection{\ifRTL\raggedleft\else\raggedright\fi}
22778 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
22779 \renewcommand*\thesection{%
22780 \expandafter\ifnum\scr@v@is@gt{2.97d}%
22781 \if@mainmatter\thechapter\@SepMark\fi
22782 \else
22783 \thechapter\@SepMark%
22784 \fi
22785 \@arabic\c@section
22786 }
22787 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
22788 \renewcommand*{\thesubsubsection}{%
22789 \thesubsection\@SepMark\@arabic\c@subsubsection
22790 }
22791 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
22792 \renewcommand*{\thesubparagraph}{%
22793 \theparagraph\@SepMark\@arabic\c@subparagraph
22794 }
22795 \expandafter\ifnum\scr@v@is@le{2.97d}%
22796 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
22797 \fi
22798 \expandafter\ifnum\scr@v@is@le{2.97d}%
22799 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
22800 \fi
22801 \renewcommand*{\theequation}{%
22802 \expandafter\ifnum\scr@v@is@gt{2.97d}%

```



```

22803 \if@mainmatter\thechapter\@SepMark\fi
22804 \else
22805 \thechapter\@SepMark%
22806 \fi
22807 \@arabic\c@equation
22808 }
22809 \renewenvironment{thebibliography}[1]{%
22810 \if@bib@break@
22811 \bib@beginhook
22812 \else
22813 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
22814 \setchapterpreamble{\bibpreamble}%
22815 \fi\fi
22816 \bib@heading
22817 \bib@beginhook
22818 \bib@before@hook
22819 \fi
22820 \renewcommand{\BreakBibliography}[1]{%
22821 \@bib@break
22822 \end{thebibliography}%
22823 \begingroup ##1\endgroup
22824 \begin{thebibliography}{#1}
22825 }%
22826 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
22827 \bidi@thebibliography@font@hook%
22828 \list{%
22829 \@biblabel{\@arabic\c@enumiv}%
22830 }{%
22831 \settowidth\labelwidth{\@biblabel{#1}}%
22832 \leftmargin\labelwidth
22833 \advance\leftmargin\labelsep
22834 \@openbib@code
22835 \if@bib@break@
22836 \edef\@tempa{%
22837 \noexpand\usecounter{enumiv}%
22838 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
22839 }\@tempa
22840 \no@bib@break
22841 \else
22842 \usecounter{enumiv}%
22843 \fi
22844 \let\p@enumiv\@empty
22845 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
22846 }%
22847 \sloppy\clubpenalty4000 \widowpenalty4000
22848 \sfcode`\.=\@m
22849 }{%
22850 \if@bib@break@
22851 \def\@noitemerr{%
22852 \@latex@warning{%
22853 \string\BreakBibliography\space at begin of `thebibliography'
22854 environment\MessageBreak
22855 or following \string\BreakBibliography}%
22856 }%

```



```

22857 \else
22858 \def\@noitemerr{%
22859 \@latex@warning{%
22860 Empty `thebibliography' environment or
22861 \string\BreakBibliography\MessageBreak
22862 before end of `thebibliography' environment}%
22863 }%
22864 \fi
22865 \endlist
22866 \if@bib@break@
22867 \else
22868 \bib@after@hook
22869 \let\bib@before@hook\@empty
22870 \let\bib@after@hook\@empty
22871 \fi
22872 \bib@endhook
22873 }
22874 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
22875 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
22876 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
22877 \renewcommand\marginline[1]{%
22878 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi{#1}}}%
22879 }
22880 \renewcommand{\@@makecaption}[3]{%
22881 \cap@margin
22882 \begingroup
22883 \ifonelinecaptions
22884 \def\stepcounter##1{\advance\value{##1}\@ne}%
22885 \let\refstepcounter\stepcounter
22886 \let\label\@gobble
22887 \let\@footnotetext=\@gobble
22888 \let\@LTRfootnotetext=\@gobble
22889 \let\@RTLfootnotetext=\@gobble
22890 \let\hypertarget\@gobbletwo
22891 \edef\@xnewline{%
22892 \unexpanded{\ClassInfo{\KOMAClassName}{%
22893 Workaround for not recommended usage of \string\\ or\MessageBreak
22894 \string\newline in caption text
22895 }%
22896 \hspace*{\linewidth}\hspace{1sp}%
22897 }%
22898 \unexpanded\expandafter{\@xnewline}%
22899 }%
22900 \edef\@xcentercr{%
22901 \unexpanded{\ClassInfo{\KOMAClassName}{%
22902 Workaround for not recommended usage of \string\\ or\MessageBreak
22903 \string\newline in caption text
22904 }%
22905 \hspace*{\linewidth}\hspace{1sp}%
22906 }%
22907 \unexpanded\expandafter{\@xcentercr}%
22908 }%
22909 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
22910 \ifdim\@tempdima>\cap@width

```



```

22911         \aftergroup\scr@makemultilinecaption
22912     \else
22913         \aftergroup\scr@makesinglelinecaption
22914     \fi
22915 \else
22916     \aftergroup\scr@makemultilinecaption
22917 \fi
22918 \endgroup
22919 {#1}{#2}{#3}%
22920 }
22921 \renewcommand{\scr@makesinglelinecaption}[3]{%
22922     {%
22923         \usefontofkomafont{caption}{%
22924             \hb@xt@{hsize}{%
22925                 \cap@left
22926                 \if@RTL
22927                     \beginR
22928                 \fi
22929                 \scr@@makesinglelinecaption{#1}{#2}{#3}%
22930                 \if@RTL
22931                     \endR
22932                 \fi
22933                 \cap@right
22934             }\par\kern\dp\strutbox%
22935         }%
22936     }\kern-\dp\strutbox
22937 }
22938 \renewcommand{\@makecaption}[2]{%
22939     \if@captionabove
22940         \vskip\belowcaptionskip
22941     \else
22942         \vskip\abovecaptionskip
22943     \fi
22944     \@makecaption\@firstofone{#1}{#2}%
22945     \if@captionabove
22946         \vskip\abovecaptionskip
22947     \else
22948         \vskip\belowcaptionskip
22949     \fi
22950 }
22951
22952 \renewcommand{\scr@@makesinglelinecaption}[3]{%
22953     {\usekomafont{caption}{\strut\ignorespaces
22954         #1{\usekomafont{captionlabel}{#2\captionformat}}}%
22955         \ignorespaces #3\unskip}}%
22956 }
22957
22958 \renewcommand{\scr@makemultilinecaption}[3]{%
22959     {%
22960         \usefontofkomafont{caption}{%
22961             \hb@xt@{hsize}{%
22962                 \cap@left
22963                 \vbox{hsize\cap@width\linewidthhsize
22964                     \scr@ifundefinedorrelax{@captype}{%

```



```

22965 \ClassWarning{\KOMAClassName}{%
22966   \string\caption' outside float.\MessageBreak
22967   Seems you are using \string\caption' outside a
22968   float.\MessageBreak
22969   Maybe you are using a package that uses
22970   \string\makecaption'\MessageBreak
22971   without setting \string\capttype' before.\MessageBreak
22972   Because I cannot detect the caption type, I'm using\MessageBreak
22973   the empty one.%
22974 }%
22975 \let\capttype\empty
22976 }{}%
22977 \scr@ifundefinedorrelax{ragged\capttype caption}{\raggedcaption}{%
22978   \@nameuse{ragged\capttype caption}%
22979 }%
22980 \ifdofullc@p
22981   \@hangfrom{%
22982     \strut
22983     \scr@smashdp{%
22984       #1{%
22985         \usekomafont{caption}{%
22986           \usekomafont{captionlabel}{#2\captionformat}%
22987         }%
22988       }%
22989     }%
22990   }%
22991   {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
22992 \else
22993   \ifdim\cap@indent<\z@
22994     \strut
22995     #1{%
22996       {\usekomafont{caption}{%
22997         \usekomafont{captionlabel}{#2\captionformat}%
22998       }%
22999     }\par}%
23000     \noindent{{\usekomafont{caption}{%
23001       \hspace*{-\cap@indent}#3\scr@endstrut
23002     }}\par}%
23003   \else
23004     \if@capbreak
23005       \strut
23006       #1{%
23007         {\usekomafont{caption}{%
23008           \usekomafont{captionlabel}{#2\captionformat}%
23009         }
23010       }\par}%
23011       \noindent\@hangfrom{\hspace*{\cap@indent}}%
23012       {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23013   \else
23014     \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
23015     {%
23016       \hspace{-\cap@indent}%
23017       \scr@smashdp{%
23018         #1{\usekomafont{caption}{%

```



```

23019             \usekomafont{captionlabel}{#2\captionformat}}%
23020             }%
23021         }%
23022     }%
23023     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23024     }%
23025     \fi
23026     \fi
23027     \fi
23028     }%
23029     \cap@right
23030     }\par\kern\dp\strutbox
23031     }%
23032     }\kern-\dp\strutbox
23033 }
23034
23035
23036 \bidi@AfterFile{longtable-xetex-bidi.def}{%
23037   \if@komalongtable
23038     \renewcommand{\LT@makecaption}[3]{%
23039       \noalign{%
23040         \if@captionabove
23041           \vskip\belowcaptionskip
23042         \else
23043           \vskip\abovecaptionskip
23044         \fi
23045       }%
23046       \LT@mcol\LT@cols c{%
23047         \hbox to\z@{\hss\parbox[t]{\linewidth{%
23048           \def\@captive{table}%
23049           \@makecaption{#1}{#2}{#3}%
23050           \endgraf
23051           \if@captionabove
23052             \vskip\abovecaptionskip
23053           \else
23054             \vskip\belowcaptionskip
23055           \fi
23056         }%
23057         \hss
23058       }%
23059     }%
23060   }%
23061   \renewcommand*\{\scr@LT@array}{}%
23062   \let\scr@LT@array=\LT@array
23063   \renewcommand*\{\LT@array}{%
23064     \let\scr@caption=\LT@caption
23065     \def\captionabove{\noalign{\global\@captionabovetrue}%
23066       \scr@caption}%
23067     \def\captionbelow{\noalign{\global\@captionabovetrue}%
23068       \scr@caption}%
23069     \if@tablecaptionabove
23070       \let\LT@caption=\captionabove
23071     \else
23072       \let\LT@caption=\captionbelow

```



```

23073     \fi
23074     \scr@LT@array
23075   }%
23076   \ClassInfo{\KOMAClassName}{%
23077     longtable captions redefined%
23078   }%
23079   \fi
23080 }
23081
23082 \CloneTOCEntryStyle{tocline}{part}
23083 \TOCEntryStyleStartInitCode{part}{%
23084   \expandafter\renewcommand%
23085   \csname scr@tso@#1@linefill\endcsname{\hfill}%
23086   \expandafter\renewcommand%
23087   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
23088   \expandafter\renewcommand%
23089   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23090     {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
23091   \expandafter\renewcommand\expandafter*%
23092   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
23093 }
23094
23095 \CloneTOCEntryStyle{tocline}{chapter}
23096 \TOCEntryStyleStartInitCode{chapter}{%
23097   \expandafter\renewcommand%
23098   \csname scr@tso@#1@linefill\endcsname{%
23099     \if@chapterentrywithdots
23100       {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
23101     \else
23102       \hfill
23103     \fi
23104   }%
23105   \expandafter\renewcommand%
23106   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
23107   \expandafter\renewcommand%
23108   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23109     {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
23110   \expandafter\renewcommand\expandafter*%
23111   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
23112 }
23113
23114 \CloneTOCEntryStyle{tocline}{section}
23115 \TOCEntryStyleStartInitCode{section}{%
23116   \expandafter\renewcommand%
23117   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23118   \expandafter\renewcommand%
23119   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23120     {\normalfont\normalcolor ##1}}%
23121 }
23122
23123 \CloneTOCEntryStyle{section}{default}
23124
23125 \DeclareSectionCommand[%
23126   style=chapter,%

```



```

23127 level=\z@,%
23128 pagestyle=plain,%
23129 tocstyle=chapter,%
23130 tocindent=\z@,%
23131 tocnumwidth=1.5em%
23132 ]{chapter}
23133 \DeclareSectionCommand[%
23134 style=section,%
23135 level=1,%
23136 indent=\z@,%
23137 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
23138 afterskip=2.3ex \@plus .2ex,%
23139 tocstyle=section,%
23140 tocindentfollows=chapter,%
23141 tocindent=1.5em,%
23142 tocnumwidth=2.3em%
23143 ]{section}
23144 \DeclareSectionCommand[%
23145 style=part,%
23146 level=\m@ne,%
23147 pagestyle=plain,%
23148 tocstyle=part,%
23149 toclevel=\m@ne,%
23150 tocindent=\z@,%
23151 tocnumwidth=2em%
23152 ]{part}
23153 \DeclareSectionCommand[%
23154 style=section,%
23155 level=2,%
23156 indent=\z@,%
23157 beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
23158 afterskip=1.5ex \@plus .2ex,%
23159 tocstyle=section,%
23160 tocindent=3.8em,%
23161 tocnumwidth=3.2em%
23162 ]{subsection}
23163 \DeclareSectionCommand[%
23164 style=section,%
23165 level=3,%
23166 indent=\z@,%
23167 beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
23168 afterskip=1.5ex \@plus .2ex,%
23169 tocstyle=section,%
23170 tocindent=7.0em,%
23171 tocnumwidth=4.1em%
23172 ]{subsubsection}
23173 \DeclareSectionCommand[%
23174 style=section,%
23175 level=4,%
23176 indent=\z@,%
23177 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
23178 afterskip=-1em,%
23179 tocindentfollows=subsubsection,%
23180 tocstyle=section,%

```



```

23181   tocindent=10em,%
23182   tocnumwidth=5em%
23183 ]{paragraph}
23184 \DeclareSectionCommand[%
23185   style=section,%
23186   level=5,%
23187   indent=\scr@parindent,%
23188   beforekip=3.25ex \@plus1ex \@minus .2ex,%
23189   afterskip=-1em,%
23190   tocstyle=section,%
23191   tocindent=12em,%
23192   tocnumwidth=6em%
23193 ]{subparagraph}

```

142 File scrreprt-xetex-bidi.def

```

23194 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class]
23195 \newcommand{\scr@saved@LTRfootnotetext}{}
23196 \newcommand{\scr@saved@RTLfootnotetext}{}
23197 \let\scr@saved@footnotetext\@footnotetext
23198 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
23199 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
23200 \renewcommand{\@footnotetext}[1]{%
23201   \scr@saved@footnotetext{#1}%
23202   \csname FN@mf@prepare\endcsname
23203 }
23204 \renewcommand{\@LTRfootnotetext}[1]{%
23205   \scr@saved@LTRfootnotetext{#1}%
23206   \csname FN@mf@prepare\endcsname
23207 }
23208 \renewcommand{\@RTLfootnotetext}[1]{%
23209   \scr@saved@RTLfootnotetext{#1}%
23210   \csname FN@mf@prepare\endcsname
23211 }
23212 \renewcommand\deffootnote[4][1]{%
23213   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
23214     \long\def\@makefnmark##1{%
23215       \ExecuteDoHook{footnote/text/begin}%
23216       \raggedfootnote
23217       \if@RTL
23218         \rightskip
23219       \else
23220         \leftskip
23221       \fi
23222       #2
23223       \l@addto@macro\@trivlist{%
23224         \ifnum\@listdepth=\@one
23225           \if@RTL
23226             \advance\rightmargin #2\relax
23227           \else
23228             \advance\leftmargin #2\relax
23229           \fi
23230         \fi
23231       }%

```



```

23232 \parindent #3\noindent
23233 \IfArgIsEmpty{#1}{-}{%
23234 \hskip \dimexpr #1-#2\relax
23235 }%
23236 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
23237 \ExecuteDoHook{footnote/text/end}%
23238 }%
23239 \else
23240 \ClassInfo{\KOMAClassName}{%
23241 Using old \string\@makefnmark\space due to compatibility
23242 level\MessageBreak
23243 less than 3.22}%
23244 \long\def\@makefnmark##1{%
23245 \setlength{\@tempdimc}{#3}%
23246 \def\@tempa{#1}\ifx\@tempa\@empty
23247 \setpar{\@par
23248 \@tempdima = \hsize
23249 \addtolength{\@tempdima}{-#2}%
23250 \if@RTL
23251 \parshape \@ne \z@ \@tempdima
23252 \else
23253 \parshape \@ne #2 \@tempdima
23254 \fi
23255 }%
23256 \else
23257 \addtolength{\@tempdimc}{#2}%
23258 \addtolength{\@tempdimc}{-#1}%
23259 \setpar{\@par
23260 \@tempdima = \hsize
23261 \addtolength{\@tempdima}{-#1}%
23262 \@tempdimb = \hsize
23263 \addtolength{\@tempdimb}{-#2}%
23264 \if@RTL
23265 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
23266 \else
23267 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
23268 \fi
23269 }%
23270 \fi
23271 \par
23272 \parindent\@tempdimc\noindent
23273 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
23274 }%
23275 \fi
23276 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
23277 }
23278 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
23279 \renewcommand*\left@footnoterule{%
23280 \normalsize\ftn@rule@test@values
23281 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
23282 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
23283 {\usekomafont{footnoterule}{%
23284 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
23285 \kern 2.6\p@}

```



```

23286 \renewcommand*\right@footnoterule{%
23287 \normalsize\ftn@rule@test@values
23288 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
23289 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
23290 {\usekomafont{footnoterule}{%
23291 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
23292 \kern 2.6\p@}}
23293 \renewcommand*\maketitle[1][1]{%
23294 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
23295 \else
23296 \def\and{%
23297 \end{tabular}}%
23298 \hskip 1em \@plus.17fil%
23299 \begin{tabular}[t]{c}%
23300 }%
23301 \fi
23302 \if@titlepage
23303 \begin{titlepage}
23304 \setcounter{page}{%
23305 #1%
23306 }%
23307 \if@titlepageiscoverpage
23308 \edef\tITLEPAGE@restore{%
23309 \noexpand\endgroup
23310 \noexpand\global\noexpand\@colht\the\@colht
23311 \noexpand\global\noexpand\@colroom\the\@colroom
23312 \noexpand\global\vsizethe\vsizethe
23313 \noexpand\global\noexpand\@titlepageiscoverpagefalse
23314 \noexpand\let\noexpand\tITLEPAGE@restore\noexpand\relax
23315 }%
23316 \begin{group}
23317 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
23318 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
23319 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
23320 \textwidth=\dimexpr
23321 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
23322 \textheight=\dimexpr
23323 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
23324 \headheight=0pt
23325 \headsep=0pt
23326 \footskip=\baselineskip
23327 \@colht=\textheight
23328 \@colroom=\textheight
23329 \vsizethe\textheight
23330 \columnwidth=\textwidth
23331 \hsizethe\columnwidth
23332 \linewidth=\hsizethe
23333 \else
23334 \let\tITLEPAGE@restore\relax
23335 \fi
23336 \let\footnotesize\small
23337 \let\right@footnoterule\relax
23338 \let\left@footnoterule\relax
23339 \let\textwidth@footnoterule\relax

```



```

23340 \let\footnote\thanks
23341 \let\LTRfootnote\LTRthanks
23342 \let\RTLfootnote\RTLthanks
23343 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23344 \let\@oldmakefnmark\@makefnmark
23345 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
23346 \ifx\@extratitle\@empty
23347   \ifx\@frontispiece\@empty
23348     \else
23349       \if@twoside\mbox{}\next@tpage\fi
23350       \noindent\@frontispiece\next@tdpage
23351     \fi
23352   \else
23353     \noindent\@extratitle
23354     \ifx\@frontispiece\@empty
23355       \else
23356         \next@tpage
23357         \noindent\@frontispiece
23358       \fi
23359     \next@tdpage
23360   \fi
23361 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
23362 \ifx\@titlehead\@empty \else
23363   \begin{minipage}[t]{\textwidth}%
23364     \usekomafont{titlehead}{\@titlehead\par}%
23365   \end{minipage}\par
23366 \fi
23367 \null\vfill
23368 \begin{center}
23369   \ifx\@subject\@empty \else
23370     {\usekomafont{subject}{\@subject\par}}%
23371     \vskip 3em
23372   \fi
23373   {\usekomafont{title}{\huge \@title\par}}%
23374   \vskip 1em
23375   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
23376   \vskip 2em
23377   {%
23378     \usekomafont{author}{%
23379       \lineskip 0.75em
23380       \begin{tabular}[t]{c}
23381         \@author
23382       \end{tabular}\par
23383     }%
23384   }%
23385   \vskip 1.5em
23386   {\usekomafont{date}{\@date \par}}%
23387   \vskip \z@ \@plus3fill
23388   {\usekomafont{publishers}{\@publishers \par}}%
23389   \vskip 3em
23390 \end{center}\par
23391 \@thanks\global\let\@thanks\@empty
23392 \vfill\null
23393 \if@twoside

```



```

23394 \@tempwattrue
23395 \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
23396 \else
23397 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
23398 \@tempwafalse
23399 \fi\fi
23400 \fi
23401 \if@tempswa
23402 \next@tpage
23403 \begin{minipage}[t]{\textwidth}
23404 \@uppertitleback
23405 \end{minipage}\par
23406 \vfill
23407 \begin{minipage}[b]{\textwidth}
23408 \@lowertitleback
23409 \end{minipage}\par
23410 \@thanks\global\let\@thanks\@empty
23411 \fi
23412 \else
23413 \ifx\@uppertitleback\@empty\else
23414 \ClassWarning{\KOMAClassName}{%
23415 non empty \string\uppertitleback\space ignored
23416 by \string\maketitle\MessageBreak
23417 in `twoside=false' mode%
23418 }%
23419 \fi
23420 \ifx\@lowertitleback\@empty\else
23421 \ClassWarning{\KOMAClassName}{%
23422 non empty \string\lowertitleback\space ignored
23423 by \string\maketitle\MessageBreak
23424 in `twoside=false' mode%
23425 }%
23426 \fi
23427 \fi
23428 \ifx\@dedication\@empty
23429 \else
23430 \next@tdpage\null\vfill
23431 {\centering\usekomafont{dedication}{\@dedication \par}}%
23432 \vskip \z@ \@plus3fill
23433 \@thanks\global\let\@thanks\@empty
23434 \cleardoubleemptypage
23435 \fi
23436 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
23437 \end{titlepage}
23438 \else
23439 \par
23440 \@tempcnta=%
23441 #1%
23442 \relax\ifnum\@tempcnta=1\else
23443 \ClassWarning{\KOMAClassName}{%
23444 Optional argument of \string\maketitle\space ignored\MessageBreak
23445 in `titlepage=false' mode%
23446 }%
23447 \fi

```



```

23448 \ifx\@uppertitleback\@empty\else
23449 \ClassWarning{\KOMAClassName}{%
23450 non empty \string\uppertitleback\space ignored
23451 by \string\maketitle\MessageBreak
23452 in `titlepage=false' mode%
23453 }%
23454 \fi
23455 \ifx\@lowertitleback\@empty\else
23456 \ClassWarning{\KOMAClassName}{%
23457 non empty \string\lowertitleback\space ignored
23458 by \string\maketitle\MessageBreak
23459 in `titlepage=false' mode%
23460 }%
23461 \fi
23462 \begingroup
23463 \let\titlepage@restore\relax
23464 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23465 \let\@oldmakefnmark\@makefnmark
23466 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
23467 \next@tdpage
23468 \if@twocolumn
23469 \ifnum \col@number=\@one
23470 \ifx\@extratitle\@empty
23471 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23472 \else
23473 \makeextratitle
23474 \fi
23475 \ifx\@frontispiece\@empty
23476 \ifx\@extratitle\@empty\else\next@tdpage\fi
23477 \else
23478 \next@tpage
23479 \makefrontispiece
23480 \next@tdpage
23481 \fi
23482 \maketitle
23483 \else
23484 \ifx\@extratitle\@empty
23485 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23486 \else
23487 \twocolumn[\makeextratitle]%
23488 \fi
23489 \ifx\@frontispiece\@empty
23490 \ifx\@extratitle\@empty\else\next@tdpage\fi
23491 \else
23492 \next@tpage
23493 \twocolumn[\makefrontispiece]%
23494 \next@tdpage
23495 \fi
23496 \twocolumn[\maketitle]%
23497 \fi
23498 \else
23499 \ifx\@extratitle\@empty
23500 \ifx\@frontispiece\@empty\else \mbox{}\fi
23501 \else

```



```

23502         \@makeextratitle
23503     \fi
23504     \ifx\@frontispiece\@empty
23505         \ifx\@extratitle\@empty\else\next@tdpage\fi
23506     \else
23507         \next@tpage
23508         \@makefrontispiece
23509         \next@tdpage
23510     \fi
23511     \@maketitle
23512 \fi
23513 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
23514 \@thanks\global\let\@thanks\@empty
23515 \endgroup
23516 \fi
23517 \setcounter{footnote}{0}%
23518 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
23519     \let\thanks\relax
23520     \let\LTRthanks\relax
23521     \let\RTLthanks\relax
23522     \let\maketitle\relax
23523     \let\@maketitle\relax
23524     \global\let\@thanks\@empty
23525     \global\let\@author\@empty
23526     \global\let\@date\@empty
23527     \global\let\@title\@empty
23528     \global\let\@subtitle\@empty
23529     \global\let\@extratitle\@empty
23530     \global\let\@frontispiece\@empty
23531     \global\let\@titlehead\@empty
23532     \global\let\@subject\@empty
23533     \global\let\@publishers\@empty
23534     \global\let\@uppertitleback\@empty
23535     \global\let\@lowertitleback\@empty
23536     \global\let\@dedication\@empty
23537     \global\let\author\relax
23538     \global\let\title\relax
23539     \global\let\extratitle\relax
23540     \global\let\titlehead\relax
23541     \global\let\subject\relax
23542     \global\let\publishers\relax
23543     \global\let\uppertitleback\relax
23544     \global\let\lowertitleback\relax
23545     \global\let\dedication\relax
23546     \global\let\date\relax
23547 \fi
23548 \global\let\and\relax
23549 }%
23550 \def\raggedsection{\ifRTL\raggedleft\else\raggedright\fi}
23551 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
23552 \renewcommand*\thesection{%
23553     \thechapter\@SepMark%
23554     \@arabic\c@section
23555 }

```



```

23556 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
23557 \renewcommand*{\thesubsubsection}{\%
23558 \thesubsection\@SepMark\@arabic\c@subsubsection
23559 }
23560 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
23561 \renewcommand*{\thesubparagraph}{\%
23562 \theparagraph\@SepMark\@arabic\c@subparagraph
23563 }
23564 \expandafter\ifnum\scr@v@is@le{2.97d}%
23565 \renewcommand*{thefigure}{\thechapter\@SepMark\@arabic\c@figure}
23566 \fi
23567 \expandafter\ifnum\scr@v@is@le{2.97d}%
23568 \renewcommand*{thetable}{\thechapter\@SepMark\@arabic\c@table}
23569 \fi
23570 \renewcommand*{theequation}{\%
23571 \thechapter\@SepMark\%
23572 \@arabic\c@equation
23573 }
23574 \renewenvironment{thebibliography}[1]{\%
23575 \if@bib@break@
23576 \bib@beginhook
23577 \else
23578 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
23579 \setchapterpreamble{\bibpreamble}%
23580 \fi\fi
23581 \bib@heading
23582 \bib@beginhook
23583 \bib@before@hook
23584 \fi
23585 \renewcommand{\BreakBibliography}[1]{\%
23586 \@bib@break
23587 \end{thebibliography}%
23588 \begingroup ##1\endgroup
23589 \begin{thebibliography}{#1}
23590 }%
23591 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
23592 \bidi@thebibliography@font@hook%
23593 \list{\%
23594 \@biblabel{\@arabic\c@enumiv}%
23595 }{\%
23596 \settowidth\labelwidth{\@biblabel{#1}}%
23597 \leftmargin\labelwidth
23598 \advance\leftmargin\labelsep
23599 \@openbib@code
23600 \if@bib@break@
23601 \edef\@tempa{\%
23602 \noexpand\usecounter{enumiv}%
23603 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
23604 }\@tempa
23605 \no@bib@break
23606 \else
23607 \usecounter{enumiv}%
23608 \fi
23609 \let\p@enumiv\@empty

```



```

23610 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
23611 }%
23612 \sloppy\clubpenalty4000 \widowpenalty4000
23613 \sfcode`\.=\@m
23614 }{%
23615 \if@bib@break@
23616 \def\@noitemerr{%
23617 \@latex@warning{%
23618 \string\BreakBibliography\space at begin of `thebibliography'
23619 environment\MessageBreak
23620 or following \string\BreakBibliography}%
23621 }%
23622 \else
23623 \def\@noitemerr{%
23624 \@latex@warning{%
23625 Empty `thebibliography' environment or
23626 \string\BreakBibliography\MessageBreak
23627 before end of `thebibliography' environment}%
23628 }%
23629 \fi
23630 \endlist
23631 \if@bib@break@
23632 \else
23633 \bib@after@hook
23634 \let\bib@before@hook\@empty
23635 \let\bib@after@hook\@empty
23636 \fi
23637 \bib@endhook
23638 }
23639 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
23640 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
23641 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
23642 \renewcommand\marginline[1]{%
23643 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi{#1}}}%
23644 }
23645 \renewcommand{\@makecaption}[3]{%
23646 \cap@margin
23647 \begingroup
23648 \ifonelinecaptions
23649 \def\stepcounter##1{\advance\value{##1}\@ne}%
23650 \let\refstepcounter\stepcounter
23651 \let\label\@gobble
23652 \let\@footnotetext=\@gobble
23653 \let\@LTRfootnotetext=\@gobble
23654 \let\@RTLfootnotetext=\@gobble
23655 \let\hypertarget\@gobbletwo
23656 \edef\@xnewline{%
23657 \unexpanded{\ClassInfo{\KOMAClassName}{%
23658 Workaround for not recommended usage of \string\\ or\MessageBreak
23659 \string\newline in caption text
23660 }%
23661 \hspace*{\linewidth}\hspace{1sp}%
23662 }%
23663 \unexpanded\expandafter{\@xnewline}%

```



```

23664 }%
23665 \edef\xcentercr{%
23666   \unexpanded{\ClassInfo{\KOMAClassName}{%
23667     Workaround for not recommended usage of \string\\ or\MessageBreak
23668     \string\newline in caption text
23669   }}%
23670   \hspace*{\linewidth}\hspace{1sp}%
23671 }%
23672 \unexpanded\expandafter{\xcentercr}%
23673 }%
23674 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
23675 \ifdim\@tempdima>\cap@width
23676   \aftergroup\scr@makemultilinecaption
23677 \else
23678   \aftergroup\scr@makesinglelinecaption
23679 \fi
23680 \else
23681   \aftergroup\scr@makemultilinecaption
23682 \fi
23683 \endgroup
23684 {#1}{#2}{#3}%
23685 }
23686 \renewcommand{\scr@makesinglelinecaption}[3]{%
23687   {%
23688     \usefontofkomafont{caption}{%
23689       \hb@xt@{\hsize{%
23690         \cap@left
23691         \if@RTL
23692           \beginR
23693         \fi
23694         \scr@makesinglelinecaption{#1}{#2}{#3}%
23695         \if@RTL
23696           \endR
23697         \fi
23698         \cap@right
23699       }}\par\kern\dp\strutbox%
23700     }%
23701   }\kern-\dp\strutbox
23702 }
23703 \renewcommand{\@makecaption}[2]{%
23704   \if@captionabove
23705     \vskip\belowcaptionskip
23706   \else
23707     \vskip\abovecaptionskip
23708   \fi
23709   \@makecaption\@firstofone{#1}{#2}%
23710   \if@captionabove
23711     \vskip\abovecaptionskip
23712   \else
23713     \vskip\belowcaptionskip
23714   \fi
23715 }
23716
23717 \renewcommand{\scr@makesinglelinecaption}[3]{%

```



```

23718 {\usekomafont{caption}{\strut\ignorespaces
23719 #1{\usekomafont{captionlabel}{#2\captionformat}}}%
23720 \ignorespaces #3\unskip}}%
23721 }
23722
23723 \renewcommand{\scr@makemultilinecaption}[3]{%
23724 {%
23725 \usefontofkomafont{caption}{%
23726 \hb@xt@{hsize}{%
23727 \cap@left
23728 \vbox{\hsize\cap@width\linewidth\hsize
23729 \scr@ifundefinedorrelax{@captype}{%
23730 \ClassWarning{KOMAClassName}{%
23731 \string\caption' outside float.\MessageBreak
23732 Seems you are using \string\caption' outside a
23733 float.\MessageBreak
23734 Maybe you are using a package that uses
23735 \string\@makecaption'\MessageBreak
23736 without setting \string\@captype' before.\MessageBreak
23737 Because I cannot detect the caption type, I'm using\MessageBreak
23738 the empty one.%
23739 }%
23740 \let\@captype\@empty
23741 }{}}%
23742 \scr@ifundefinedorrelax{ragged\@captype caption}{\raggedcaption}{%
23743 \@nameuse{ragged\@captype caption}%
23744 }%
23745 \ifdofullc@p
23746 \@hangfrom{%
23747 \strut
23748 \scr@smashdp{%
23749 #1{%
23750 \usekomafont{caption}{%
23751 \usekomafont{captionlabel}{#2\captionformat}%
23752 }%
23753 }%
23754 }%
23755 }%
23756 {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23757 \else
23758 \ifdim\cap@indent<\z@
23759 \strut
23760 #1{%
23761 {\usekomafont{caption}{%
23762 \usekomafont{captionlabel}{#2\captionformat}%
23763 }%
23764 }\par}%
23765 \noindent{\usekomafont{caption}{%
23766 \hspace*{-\cap@indent}\scr@endstrut
23767 }}\par}%
23768 \else
23769 \if@capbreak
23770 \strut
23771 #1{%

```



```

23772         {\usekomafont{caption}{%
23773          \usekomafont{captionlabel}{#2\captionformat}}%
23774         }%
23775     }\par}%
23776     \noindent\@hangfrom{\hspace*{\cap@indent}}%
23777     {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23778 \else
23779     \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
23780     {%
23781         \hspace{-\cap@indent}%
23782         \scr@smashdp{%
23783             #1{\usekomafont{caption}{%
23784                 \usekomafont{captionlabel}{#2\captionformat}}%
23785             }%
23786         }%
23787     }%
23788     {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23789     }%
23790 \fi
23791 \fi
23792 \fi
23793 }%
23794 \cap@right
23795 }\par\kern\dp\strutbox
23796 }%
23797 }\kern-\dp\strutbox
23798 }
23799
23800
23801 \bidi@AfterFile{longtable-xetex-bidi.def}{%
23802     \if@komalongtable
23803         \renewcommand{\LT@makecaption}[3]{%
23804             \noalign{%
23805                 \if@captionabove
23806                     \vskip\belowcaptionskip
23807                 \else
23808                     \vskip\abovecaptionskip
23809                 \fi
23810             }%
23811             \LT@mcol\LT@cols c{%
23812                 \hbox to\z@{\hss\parbox[t]{\linewidth{%
23813                     \def\@capttype{table}%
23814                     \@@makecaption{#1}{#2}{#3}%
23815                     \endgraf
23816                     \if@captionabove
23817                         \vskip\abovecaptionskip
23818                     \else
23819                         \vskip\belowcaptionskip
23820                     \fi
23821                 }}%
23822                 \hss
23823             }%
23824         }%
23825     }%

```



```

23826 \renewcommand*{\scrLT@array}{}%
23827 \let\scrLT@array=\LT@array
23828 \renewcommand*{\LT@array}{%
23829 \let\scr@caption=\LT@caption
23830 \def\captionabove{\noalign{\global\@captionabovetrue}%
23831 \scr@caption}%
23832 \def\captionbelow{\noalign{\global\@captionabovetrue}%
23833 \scr@caption}%
23834 \if@tablecaptionabove
23835 \let\LT@caption=\captionabove
23836 \else
23837 \let\LT@caption=\captionbelow
23838 \fi
23839 \scrLT@array
23840 }%
23841 \ClassInfo{\KOMAClassName}{%
23842 longtable captions redefined%
23843 }%
23844 \fi
23845 }
23846
23847 \CloneTOCEntryStyle{tocline}{part}
23848 \TOCEntryStyleStartInitCode{part}{%
23849 \expandafter\renewcommand%
23850 \csname scr@tso@#1@linefill\endcsname{\hfill}%
23851 \expandafter\renewcommand%
23852 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
23853 \expandafter\renewcommand%
23854 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23855 {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
23856 \expandafter\renewcommand\expandafter*%
23857 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
23858 }
23859
23860 \CloneTOCEntryStyle{tocline}{chapter}
23861 \TOCEntryStyleStartInitCode{chapter}{%
23862 \expandafter\renewcommand%
23863 \csname scr@tso@#1@linefill\endcsname{%
23864 \if@chapterentrywithdots
23865 {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
23866 \else
23867 \hfill
23868 \fi
23869 }%
23870 \expandafter\renewcommand%
23871 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
23872 \expandafter\renewcommand%
23873 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23874 {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
23875 \expandafter\renewcommand\expandafter*%
23876 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
23877 }
23878
23879 \CloneTOCEntryStyle{tocline}{section}

```



```

23880 \TOCEntryStyleStartInitCode{section}{%
23881   \expandafter\renewcommand%
23882   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23883   \expandafter\renewcommand%
23884   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23885     {\normalfont\normalcolor ##1}}%
23886 }
23887
23888 \CloneTOCEntryStyle{section}{default}
23889
23890 \DeclareSectionCommand[%
23891   style=chapter,%
23892   level=\z@,%
23893   pagestyle=plain,%
23894   tocstyle=chapter,%
23895   tocindent=\z@,%
23896   tocnumwidth=1.5em%
23897 ]{chapter}
23898 \DeclareSectionCommand[%
23899   style=section,%
23900   level=1,%
23901   indent=\z@,%
23902   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
23903   afterskip=2.3ex \@plus .2ex,%
23904   tocstyle=section,%
23905   tocindentfollows=chapter,%
23906   tocindent=1.5em,%
23907   tocnumwidth=2.3em%
23908 ]{section}
23909 \DeclareSectionCommand[%
23910   style=part,%
23911   level=\m@ne,%
23912   pagestyle=plain,%
23913   tocstyle=part,%
23914   toclevel=\m@ne,%
23915   tocindent=\z@,%
23916   tocnumwidth=2em%
23917 ]{part}
23918 \DeclareSectionCommand[%
23919   style=section,%
23920   level=2,%
23921   indent=\z@,%
23922   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
23923   afterskip=1.5ex \@plus .2ex,%
23924   tocstyle=section,%
23925   tocindent=3.8em,%
23926   tocnumwidth=3.2em%
23927 ]{subsection}
23928 \DeclareSectionCommand[%
23929   style=section,%
23930   level=3,%
23931   indent=\z@,%
23932   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
23933   afterskip=1.5ex \@plus .2ex,%

```



```

23934   tocstyle=section,%
23935   tocindent=7.0em,%
23936   tocnumwidth=4.1em%
23937 ]{subsubsection}
23938 \DeclareSectionCommand[%
23939   style=section,%
23940   level=4,%
23941   indent=\z@,%
23942   beforekip=3.25ex \@plus1ex \@minus.2ex,%
23943   afterskip=-1em,%
23944   tocindentfollows=subsubsection,%
23945   tocstyle=section,%
23946   tocindent=10em,%
23947   tocnumwidth=5em%
23948 ]{paragraph}
23949 \DeclareSectionCommand[%
23950   style=section,%
23951   level=5,%
23952   indent=\scr@parindent,%
23953   beforekip=3.25ex \@plus1ex \@minus .2ex,%
23954   afterskip=-1em,%
23955   tocstyle=section,%
23956   tocindent=12em,%
23957   tocnumwidth=6em%
23958 ]{subparagraph}

```

143 File sidecap-xetex-bidi.def

```

23959 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package]
23960 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
23961   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {\#2}\hspace{\sidecaptionsep}{#1}}\else%
23962   \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {\#1}\hspace{\sidecaptionsep}{#2}}\fi}
23963 \renewcommand*{\SC@justify@caption}{\if@RTL%
23964   \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
23965   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

144 File soul-xetex-bidi.def

```

23966 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for Xe
23967 \long\def\SOUL@start#1{%
23968   \let\bid@RTL@everypar\@empty
23969   \let\<\SOUL@lowerthan
23970   \let\>\empty
23971   \def\soulomit{\noexpand\soulomit}%
23972   \gdef\SOUL@eventuallyxhyphen#1{%
23973     \let\SOUL@soeventuallyskip\relax
23974     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
23975       \@minus\fontdimen4\font
23976     \SOUL@ignorespacesfalse
23977     \leavevmode
23978     \SOUL@preamble
23979     \SOUL@lasttoken={}%
23980     \SOUL@word={}%
23981     \SOUL@minus\z@

```



```

23982 \SOUL@comma\z@
23983 \SOUL@apo\z@
23984 \SOUL@grave\z@
23985 \SOUL@do{#1}%
23986 \SOUL@postamble
23987 }}
23988 \def\SOUL@ulunderline#1{%
23989 \setbox\z@\hbox{#1}%
23990 \dimen@=\wd\z@
23991 \dimen@i=\SOUL@uloverlap
23992 \advance\dimen@2\dimen@i
23993 \if@RTL
23994 \unhcopy\z@
23995 \llap{%
23996 \null
23997 \kern-\dimen@i
23998 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
23999 }%
24000 \else
24001 \rlap{%
24002 \null
24003 \kern-\dimen@i
24004 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
24005 }%
24006 \unhcopy\z@
24007 \fi
24008 }}
24009 \def\bidi@SOUL@ulleaders{%
24010 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\
24011 }
24012 \def\SOUL@uleveryspace#1{%
24013 \if@RTL
24014 #1%
24015 \bidi@SOUL@ulleaders
24016 \hskip\spaceskip
24017 \else
24018 \SOUL@ulcolor{%
24019 #1%
24020 \SOUL@ulleaders
24021 \hskip\spaceskip
24022 }%
24023 \fi
24024 \null
24025 }

```

145 File stabular-xetex-bidi.def

```

24026 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular packag
24027 \def\@stabular{%
24028 \leavevmode \bgroup \if@RTLtab\beginR \fi
24029 \let\@acol\@tabacol
24030 \let\@classz\@tabclassz
24031 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
24032 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi

```



```

24033             \egroup \ifRTLTtab\endR\fi\egroup}
24034 \expandafter \let \csname endstabular*\endcsname = \endstabular
24035 \def\@sarray[#1]#2{%
24036   \bgroup
24037   \setbox\@arstrutbox\hbox{%
24038     \vrule \@height\arraystretch\ht\strutbox
24039           \@depth\arraystretch \dp\strutbox
24040           \@width\z@}%
24041   \mkpream{#2}%
24042   \edef\@preamble{%
24043     \ialign \noexpand\@halignto
24044       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
24045   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
24046   \let\tabularnewline\\%
24047   \let\@sharp##%
24048   \set@typeset@protect
24049   \lineskip\z@skip\baselineskip\z@skip
24050   \ifRTLTtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
24051   \@preamble}

```

146 File subfigure-xetex-bidi.def

```

24052 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure pack
24053 \AtBeginDocument{%
24054 \let\p@subfigure=\thefigure
24055 \let\p@subtable=\thetable%
24056 }

```

147 File tabs-xetex-bidi.def

```

24057 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for
24058 \def\endtabular{\endarray $\ifRTLTtab\endR\fi\egroup}
24059
24060 \expandafter\let\csname endtabular*\endcsname=\endtabular
24061
24062 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
24063   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
24064   \fi\egroup\ifRTLTtab\egroup\endR\egroup\fi\@unrecurse\egroup}
24065
24066 \def\@array[#1]#2{% remember global variables to allow recursion:
24067   \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
24068     \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
24069   \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
24070   \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
24071   \else \let\@tarlinesep\tablinesep \fi
24072   \divide\@tarlinesep\tw@ % half sep is applied to height & depth
24073   \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
24074   \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
24075   \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
24076     \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
24077     \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
24078   \fi \setbox\@arstrutbox\hbox{% set up smaller strut
24079     \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
24080   \let\protect\noexpand

```



```

24081 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
24082 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
24083 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
24084 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
24085 \bgroup \let\par\@empty
24086 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
24087 \advance\extrarulesep.5\arrayrulewidth
24088 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
24089 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
24090 \@preamble}

```

148 File tabularx-xetex-bidi.def

```

24091 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
24092 \def\TX@endtabularx{%
24093   \expandafter\expandafter\expandafter
24094     \TX@find@endtabularxa\csname end\TX@\endcsname
24095     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
24096   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
24097   \let\verb\TX@verb
24098   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
24099   \edef\TX@ckpt{\cl@ckpt}%
24100   \let\@elt\relax
24101   \TX@old@table\maxdimen
24102   \TX@col@width\TX@target
24103   \global\TX@cols\@ne
24104   \TX@typeout@
24105     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
24106   \TX@trial{\def\NC@rewrite@X{%
24107     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
24108   \loop
24109     \TX@arith
24110     \ifTX@
24111       \TX@trial{}%
24112   \repeat
24113   {\let\@footnotetext\TX@fnttext\let\@xfootnotenext\TX@xftntext
24114     \let\@LTRfootnotetext\TX@LTRfnttext\let\@xLTRfootnotenext\TX@xLTRfnttext
24115     \let\@RTLfootnotetext\TX@RTLfnttext\let\@xRTLfootnotenext\TX@xRTLfnttext
24116     \csname tabular*\expandafter\endcsname\expandafter\TX@target
24117       \the\toks@
24118     \csname endtabular*\endcsname}%
24119   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
24120   \ifnum0=`{\fi}%
24121   \expandafter\expandafter\expandafter
24122     \TX@find@endtabularxbb
24123     \expandafter\end\expandafter{\TX@}%
24124     \endtabularx\TX@\endtabularx\TX@find@endtabularxb
24125 }
24126
24127 \def\TX@trial#1{%
24128   \setbox\@tempboxa\hbox{%
24129     #1\relax
24130   \let\@footnotetext\TX@trial@ftn
24131   \let\@LTRfootnotetext\TX@trial@ftn

```



```

24132 \let\@RTLfootnotetext\TX@ftn
24133 \let\TX@vwarn\@empty
24134 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
24135 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
24136 \def\write{\begingroup
24137   \def\let{\afterassignment\endgroup\toks@}%
24138   \afterassignment\let\count@}%
24139 \hbadness\@M
24140 \hfuzz\maxdimen
24141 \let\hbadness\@tempcnta
24142 \let\hfuzz\@tempdima
24143 \expandafter\tabular\the\toks@
24144 \endtabular}%
24145 \TX@ckpt
24146 \TX@typeout{\@spaces
24147   \expandafter\TX@align
24148   \the\wd\@tempboxa\space\space\space\space\space\@@
24149   \expandafter\TX@align
24150   \the\TX@col@width\space\space\space\space\space\@@
24151   \@spaces\the\TX@cols}}
24152
24153 \long\def\TX@LTRftntext#1{%
24154   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
24155     [\the\csname c@\@mpfn\endcsname]]}%
24156   \global\TX@ftn\expandafter{\@tempa{#1}}}%
24157 \long\def\TX@xLTRftntext[#1]#2{%
24158   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
24159
24160 \long\def\TX@RTLftntext#1{%
24161   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
24162     [\the\csname c@\@mpfn\endcsname]]}%
24163   \global\TX@ftn\expandafter{\@tempa{#1}}}%
24164 \long\def\TX@xRTLftntext[#1]#2{%
24165   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

149 File tabulary-xetex-bidi.def

```

24166 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary packag
24167 \def\@testpach{\@chclass
24168 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
24169 \ifnum \@lastchclass=7 5 \else
24170 \ifnum \@lastchclass=8 \tw@ \else
24171 \ifnum \@lastchclass=9 \thr@@
24172 \else \z@
24173 \ifnum \@lastchclass = 10 \else
24174 \edef\@nextchar{\expandafter\string\@nextchar}%
24175 \@chnum
24176 \if \@nextchar c\z@ \else
24177 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
24178 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
24179 \if \@nextchar C7 \else
24180 \if \@nextchar L8 \else
24181 \if \@nextchar R9 \else
24182 \if \@nextchar J10 \else

```



```

24183 \z@ \@chclass
24184 \if\@nextchar |\@ne \else
24185 \if \@nextchar !6 \else
24186 \if \@nextchar @7 \else
24187 \if \@nextchar <8 \else
24188 \if \@nextchar >9 \else
24189 10
24190 \@chnum
24191 \if \@nextchar m\thr@@\else
24192 \if \@nextchar p4 \else
24193 \if \@nextchar b5 \else
24194 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
24195 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

150 File tc-xetex-bidi.def

```

24196 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for Xe
24197 \def\@cliptoboxdim#1{%
24198   \setbox#1=\hbox{%
24199     \Gin@defaultbp\WIDTH{\wd#1}%
24200     \Gin@defaultbp\DEPTH{\dp#1}%
24201     \@tempdima\ht#1%
24202     \advance\@tempdima\dp#1%
24203     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
24204     \beginL\special{pdf:bcontent }%
24205     \special{%
24206       pdf:literal direct
24207       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
24208     }%
24209     \special{pdf:literal direct W }%
24210     \special{pdf:literal direct n }%
24211     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
24212     \special{pdf:econtent }\endL%
24213   }%
24214 }

```

151 File tcolorbox-xetex-bidi.def

```

24215 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox pack
24216 \let\endtcbox@lrbox=\endminipage
24217 \let\endtcbox@savebox=\endtcbox@lrbox
24218
24219 \bidi@patchcmd{\tcb@vbox}{%
24220   \let\@footnotetext\@mpfootnotetext%
24221 }{%
24222   \let\@footnotetext\@mpfootnotetext%
24223   \let\@LTRfootnotetext\@mpLTRfootnotetext%
24224   \let\@RTLfootnotetext\@mpRTLfootnotetext%
24225 }{}{}
24226
24227 \bidi@patchcmd{\endtcbox@vbox}{%
24228   \footnoterule%
24229 }{%
24230   \bidi@mpfootnoterule%

```



```

24231 }{}{}
24232 \bidi@apptocmd\tcb@icolorbox{%
24233   \@bidi@list@minipage@parboxfalse
24234 }{}{}

```

152 File titlesec-xetex-bidi.def

```

24235 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec packag
24236 \renewcommand\filright{%
24237   \gdef\ttl@filleft##1{\hskip##1}%
24238   \gdef\ttl@filright##1{\hfill}%
24239   \let\\\@centercr
24240   \advance\rightskip\z@ \@plus 1fil
24241   \parfillskip\z@}
24242 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
24243   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
24244   \setlength\leftskip{#6}%
24245   \setlength\rightskip{#7}%
24246   \interlinepenalty\@M
24247   \ttl@change@centercr
24248   \ttl@beginlongest
24249   #1{\ifhmode\ttl@hmode@error\fi
24250     \ttl@glcmds
24251     \parindent\z@
24252     \leavevmode
24253     \begin@group
24254     \ifttl@label
24255       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
24256       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
24257       \llap{\box\z@}%
24258       \fi
24259       #4{#8}%
24260       \kern\z@\strut\@par
24261     \endgroup
24262     \nobreak\ttl@midlongest#5\@par}%
24263   \ttl@endlongest}

```

153 File titletoc-xetex-bidi.def

```

24264 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc packag
24265 \renewcommand\filright{%
24266   \gdef\ttl@filleft##1{\hskip##1}%
24267   \gdef\ttl@filright##1{\hfill}%
24268   \let\\\@centercr
24269   \advance\rightskip\z@ \@plus 1fil
24270   \parfillskip\z@}
24271 \renewcommand\contentspush[1]{%
24272   \sbox\z@{#1}%
24273   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
24274   \aftergroup\ttl@b
24275   \leavevmode\llap{\box\z@}}
24276 \def\ttl@outnoblock#1#2#3{%
24277   \begin@group
24278   \ifnum\ttl@b>\ttl@a

```



```

24279 \nobreak
24280 \else\ifnum\ttl@b<\ttl@a
24281 \addpenalty{\@secpenalty}%
24282 \else
24283 \addpenalty{\z@}%
24284 \fi\fi
24285 \ttl@contentsstretch
24286 \nobreak
24287 \ifcase#1\relax\else\interlinepenalty\@M\fi
24288 \parindent\z@
24289 \ifx\@nil#2%
24290 \PackageError{titletoc}{Unimplemented}%
24291 {The optional argument is currently mandatory}%
24292 \else
24293 \if@RTL\setlength\rightskip{#2}\else
24294 \setlength\leftskip{#2}\fi%
24295 \fi
24296 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
24297 \let\contentsmargin\ttl@margin
24298 \def\ttl@makeline##1{##1}%
24299 #3%
24300 \addtolength{\parfillskip}{-\ttl@corr}%
24301 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
24302 \let\ttl@leaders\leaders}
24303 \renewcommand\ttl@margin[2][\z@]{%
24304 \def\ttl@corr{#1}%
24305 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
24306 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
24307 \def\@pnumwidth{#2}}
24308 \let\ttl@savel@part\l@part
24309 \def\l@part{\ttl@lselect{part}}
24310
24311 \let\ttl@savel@chapter\l@chapter
24312 \def\l@chapter{\ttl@lselect{chapter}}

```

154 File tocbibind-xetex-bidi.def

```

24313 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind pack
24314 \if@dotocbib
24315 \@ifpackageloaded{natbib}{\% natbib not loaded
24316 \renewcommand{\bibsection}{\tcb@bchapsec}
24317 \renewenvironment{thebibliography}[1]{%
24318 \bibsection
24319 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
24320 \renewenvironment{thebibitemlist}[1]{
24321 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
24322 \bidi@thebibliography@font@hook%
24323 \list{\@biblabel{\@arabic{c@enumiv}}}%
24324 {\settowidth\labelwidth{\@biblabel{#1}}%
24325 \leftmargin\labelwidth
24326 \advance\leftmargin\labelsep
24327 \@openbib@code
24328 \usecounter{enumiv}%
24329 \let\p@enumiv\@empty

```



```

24330         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
24331     \sloppy
24332     \clubpenalty4000
24333     \@clubpenalty \clubpenalty
24334     \widowpenalty4000%
24335     \sfcode`\.\@m}
24336     {\def\@noitemerr
24337       {\@latex@warning{Empty `thebibliography' environment}}}%
24338     \endlist}
24339
24340     \@ifpackagewith{chapterbib}{sectionbib}%
24341     {\renewcommand{\sectionbib}[2]{}}%
24342     {}
24343
24344 \fi
24345 \if@inltxdoc\else
24346     \renewenvironment{theindex}%
24347     {\if@twocolumn
24348       \@restonecolfalse
24349       \else
24350         \@restonecoltrue
24351       \fi
24352     \if@bibchapter
24353       \if@donumindex
24354         \refstepcounter{chapter}
24355         \twocolumn[\vspace*{2\topskip}%
24356           \@makechapterhead{\indexname}}%
24357         \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
24358         \chaptermark{\indexname}
24359       \else
24360         \if@dotocind
24361           \twocolumn[\vspace*{2\topskip}%
24362             \@makeschapterhead{\indexname}}%
24363           \prw@mkboth{\indexname}
24364           \addcontentsline{toc}{chapter}{\indexname}
24365         \else
24366           \twocolumn[\vspace*{2\topskip}%
24367             \@makeschapterhead{\indexname}}%
24368           \prw@mkboth{\indexname}
24369         \fi
24370       \fi
24371     \else
24372       \if@donumindex
24373         \twocolumn[\vspace*{-1.5\topskip}%
24374           \@nameuse{\@tocextra}{\indexname}}%
24375         \csname \@tocextra mark\endcsname{\indexname}
24376       \else
24377         \if@dotocind
24378           \twocolumn[\vspace*{-1.5\topskip}%
24379             \toc@headstar{\@tocextra}{\indexname}}%
24380           \prw@mkboth{\indexname}
24381           \addcontentsline{toc}{\@tocextra}{\indexname}
24382         \else
24383           \twocolumn[\vspace*{-1.5\topskip}%

```



```

24384             \toc@headstar{\@tocextra}{\indexname}}%
24385             \prw@mkboth{\indexname}
24386         \fi
24387     \fi
24388 \fi
24389 \thispagestyle{plain}\parindent\z@
24390 \parskip\z@ \@plus .3\p@\relax
24391 \let\item\@idxitem}
24392 {\if@restonecol\onecolumn\else\clearpage\fi}
24393 \fi

```

155 File `tocloft-xetex-bidi.def`

```

24394 \ProvidesFile{tocloft-xetex-bidi.def}[2023/08/02 v0.3 bidi adaptations for tocloft package]
24395 \renewcommand{\cftpnumalign}{\if@RTL l\else r\fi}
24396 \let\cftdot\@SepMark
24397 \if@cfthaspart
24398 \renewcommand*{\l@part}[2]{
24399     \@cftdopartfalse
24400     \ifnum \c@tocdepth >-2\relax
24401         \if@cfthaschapter
24402             \@cftdoparttrue
24403         \fi
24404         \ifnum \c@tocdepth >\m@ne
24405             \if@cfthaschapter\else
24406                 \@cftdoparttrue
24407             \fi
24408         \fi
24409     \fi
24410     \if@cftdopart
24411         \if@cfthaschapter
24412             \addpenalty{-\@highpenalty}
24413         \else
24414             \addpenalty\@secpenalty
24415         \fi
24416         \addvspace{\cftbeforepartskip}
24417         \begingroup
24418             {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
24419              \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24420              \parfillskip -\if@RTL\leftskip\else\righskip\fi
24421              \parindent \cftpartindent\relax\@afterindenttrue
24422              \interlinepenalty\@M
24423              \leavevmode
24424              \@tempdima \cftpartnumwidth\relax
24425              \let\@cftbsnum \cftpartpresnum
24426              \let\@cftasnum \cftpartaftersnum
24427              \let\@cftasnumb \cftpartaftersnumb
24428              \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\r
24429              {\cftpartfont \cftpartpresnum #1}
24430              \cftpartfillnum{#2}}
24431         \nobreak
24432         \if@cfthaschapter
24433             \global\@nobreaktrue
24434             \everypar{\global\@nobreakfalse\everypar{}}

```



```

24435     \else
24436         \ifcompatibility
24437             \global\@nobreaktrue
24438             \everypar{\global\@nobreakfalse\everypar{}}
24439         \fi
24440     \fi
24441 \endgroup
24442 \fi}
24443 \fi
24444 \if@cfthaschapter
24445 \renewcommand*{\l@chapter}[2]{
24446     \ifnum \c@tocdepth >\m@ne
24447         \addpenalty{-\@highpenalty}
24448         \vskip \cftbeforechapskip
24449         {\if@RTL\rightright\else\leftskip\fi \cftchapindent\relax
24450         \if@RTL\leftskip\else\rightright\fi \@tocrmarg
24451         \parfillskip -\if@RTL\leftskip\else\rightright\fi
24452         \parindent \cftchapindent\relax\@afterindenttrue
24453         \interlinepenalty\@M
24454         \leavevmode
24455         \@tempdima \cftchapnumwidth\relax
24456         \let\@cftbsnum \cftchappresnum
24457         \let\@cftasnum \cftchapaftersnum
24458         \let\@cftasnumb \cftchapaftersnumb
24459         \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
24460         {\cftchapfont #1}\nobreak
24461         \cftchapfillnum{#2}}
24462     \fi}
24463 \fi
24464 \renewcommand*{\l@section}[2]{%
24465     \ifnum \c@tocdepth >\z@
24466         \if@cfthaschapter
24467             \vskip \cftbeforesecskip
24468         \else
24469             \addpenalty\@secpenalty
24470             \addvspace{\cftbeforesecskip}
24471         \fi
24472         {\if@RTL\rightright\else\leftskip\fi \cftsecindent\relax
24473         \if@RTL\leftskip\else\rightright\fi \@tocrmarg
24474         \parfillskip -\if@RTL\leftskip\else\rightright\fi
24475         \parindent \cftsecindent\relax\@afterindenttrue
24476         \interlinepenalty\@M
24477         \leavevmode
24478         \@tempdima \cftsecnumwidth\relax
24479         \let\@cftbsnum \cftsecpresnum
24480         \let\@cftasnum \cftsecaftersnum
24481         \let\@cftasnumb \cftsecaftersnumb
24482         \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
24483         {\cftsecfont #1}\nobreak
24484         \cftsecfillnum{#2}}
24485     \fi}
24486 \renewcommand*{\l@subsection}[2]{%
24487     \ifnum \c@tocdepth >\@ne
24488         \vskip \cftbeforesubsecskip

```



```

24489 {\if@RTL\rightright\else\leftskip\fi \cftsubsecindent\relax
24490 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
24491 \parfillskip -\if@RTL\leftskip\else\rightright\fi
24492 \parindent \cftsubsecindent\relax\@afterindenttrue
24493 \interlinepenalty\@M
24494 \leavevmode
24495 \@tempdima \cftsubsecnumwidth\relax
24496 \let\@cftbsnum \cftsubsecpresnum
24497 \let\@cftasnum \cftsubsecaftersnum
24498 \let\@cftasnumb \cftsubsecaftersnumb
24499 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright\else\leftskip\fi
24500 {\cftsubsecfont #1}\nobreak
24501 \cftsubsecfillnum{#2}}
24502 \fi}
24503 \renewcommand*{\l@subsubsection}[2]{%
24504 \ifnum \c@tocdepth >\tw@
24505 \vskip \cftbeforesubsubsecskip
24506 {\if@RTL\rightright\else\leftskip\fi \cftsubsubsecindent\relax
24507 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
24508 \parfillskip -\if@RTL\leftskip\else\rightright\fi
24509 \parindent \cftsubsubsecindent\relax\@afterindenttrue
24510 \interlinepenalty\@M
24511 \leavevmode
24512 \@tempdima \cftsubsubsecnumwidth\relax
24513 \let\@cftbsnum \cftsubsubsecpresnum
24514 \let\@cftasnum \cftsubsubsecaftersnum
24515 \let\@cftasnumb \cftsubsubsecaftersnumb
24516 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright\else\leftskip\fi
24517 {\cftsubsubsecfont #1}\nobreak
24518 \cftsubsubsecfillnum{#2}}
24519 \fi}
24520 \renewcommand*{\l@paragraph}[2]{%
24521 \ifnum \c@tocdepth >3\relax
24522 \vskip \cftbeforeparaskip
24523 {\if@RTL\rightright\else\leftskip\fi \cftparaindent\relax
24524 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
24525 \parfillskip -\if@RTL\leftskip\else\rightright\fi
24526 \parindent \cftparaindent\relax\@afterindenttrue
24527 \interlinepenalty\@M
24528 \leavevmode
24529 \@tempdima \cftparanumwidth\relax
24530 \let\@cftbsnum \cftparapresnum
24531 \let\@cftasnum \cftparaaftersnum
24532 \let\@cftasnumb \cftparaaftersnumb
24533 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright\else\leftskip\fi
24534 {\cftparafont #1}\nobreak
24535 \cftparafillnum{#2}}
24536 \fi}
24537 \renewcommand*{\l@subparagraph}[2]{%
24538 \ifnum \c@tocdepth >4\relax
24539 \vskip \cftbeforesubparaskip
24540 {\if@RTL\rightright\else\leftskip\fi \cftsubparaindent\relax
24541 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
24542 \parfillskip -\if@RTL\leftskip\else\rightright\fi

```



```

24543 \parindent \cftsubparindent\relax\@afterindenttrue
24544 \interlinepenalty\@M
24545 \leavevmode
24546 \@tempdima \cftsubparanumwidth\relax
24547 \let\@cftbsnum \cftsubparapresnum
24548 \let\@cftasnum \cftsubparaaftersnum
24549 \let\@cftasnumb \cftsubparaaftersnumb
24550 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24551 {\cftsubparafont #1}\nobreak
24552 \cftsubparafillnum{#2}}
24553 \fi}
24554 \renewcommand*\l@figure}[2]{%
24555 \ifnum \c@lofdepth >\z@
24556 \vskip \cftbeforefigskip
24557 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
24558 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24559 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24560 \parindent \cftfigindent\relax\@afterindenttrue
24561 \interlinepenalty\@M
24562 \leavevmode
24563 \@tempdima \cftfignumwidth\relax
24564 \let\@cftbsnum \cftfigpresnum
24565 \let\@cftasnum \cftfigaftersnum
24566 \let\@cftasnumb \cftfigaftersnumb
24567 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24568 {\cftfigfont #1}\nobreak
24569 \cftfigfillnum{#2}}
24570 \fi
24571 }
24572 \renewcommand*\l@table}[2]{%
24573 \ifnum \c@lotdepth >\z@
24574 \vskip \cftbeforetabskip
24575 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
24576 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24577 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24578 \parindent \cfttabindent\relax\@afterindenttrue
24579 \interlinepenalty\@M
24580 \leavevmode
24581 \@tempdima \cfttabnumwidth\relax
24582 \let\@cftbsnum \cfttabpresnum
24583 \let\@cftasnum \cfttabaftersnum
24584 \let\@cftasnumb \cfttabaftersnumb
24585 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24586 {\cfttabfont #1}\nobreak
24587 \cfttabfillnum{#2}}
24588 \fi
24589 }
24590 \renewcommand*\cftl@subfig}{
24591 \renewcommand*\l@subfigure}[2]{%
24592 \ifnum \c@lofdepth > \toclevel@subfigure
24593 \vskip \cftbeforesubfigskip
24594 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
24595 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24596 \parfillskip -\if@RTL\leftskip\else\rightskip\fi

```



```

24597 \parindent \cftsubfigindent\relax\@afterindenttrue
24598 \interlinepenalty\@M
24599 \leavevmode
24600 \@tempdima \cftsubfignumwidth\relax
24601 \let\@cftbsnum \cftsubfigpresnum
24602 \let\@cftasnum \cftsubfigaftersnum
24603 \let\@cftasnumb \cftsubfigaftersnumb
24604 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
24605 {\cftsubfigfont ##1}\nobreak
24606 \cftsubfigfillnum{##2}}
24607 \fi
24608 }
24609 }
24610 \renewcommand{\@cftl@subtab}{
24611 \renewcommand*\@l@subtable}[2]{%
24612 \ifnum \c@lotdepth > \toclevel@subtable
24613 \vskip \cftbeforesubtabskip
24614 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
24615 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24616 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24617 \parindent \cftsubtabindent\relax\@afterindenttrue
24618 \interlinepenalty\@M
24619 \leavevmode
24620 \@tempdima \cftsubtabnumwidth\relax
24621 \let\@cftbsnum \cftsubtabpresnum
24622 \let\@cftasnum \cftsubtabaftersnum
24623 \let\@cftasnumb \cftsubtabaftersnumb
24624 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
24625 {\cftsubtabfont ##1}\nobreak
24626 \cftsubtabfillnum{##2}}
24627 \fi
24628 }
24629 }
24630 \renewcommand{\newlistentry}[4][\@empty]{%
24631 \ifundefined{c@#2}{% check & set the counter
24632 \ifx \@empty#1\relax
24633 \newcounter{#2}
24634 \else
24635 \ifundefined{c@#1}{\PackageWarning{tocloft}{%
24636 \#1 has no counter for use as a `within'}
24637 \newcounter{#2}}%
24638 {\newcounter{#2}[#1]%
24639 \expandafter\edef\csname the#2\endcsname{%
24640 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
24641 \fi
24642 \setcounter{#2}{0}
24643 }
24644 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
24645
24646 \@namedef{l@#2}##1##2{%
24647 \ifnum \@nameuse{c@#3depth} > #4\relax
24648 \vskip \@nameuse{cftbefore#2skip}
24649 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
24650 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg

```



```

24651 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24652 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
24653 \interlinepenalty\@M
24654 \leavevmode
24655 \@tempdima \@nameuse{cft#2numwidth}\relax
24656 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
24657 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
24658 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
24659 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\ri
24660 {\@nameuse{cft#2font}##1}\nobreak
24661 \@nameuse{cft#2fillnum}{##2}}
24662 \fi
24663 } % end of \l@#2
24664
24665 \expandafter\newlength\csname cftbefore#2skip\endcsname
24666 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
24667 \expandafter\newlength\csname cft#2indent\endcsname
24668 \expandafter\newlength\csname cft#2numwidth\endcsname
24669 \ifcase #4\relax % 0
24670 \setlength{\@nameuse{cft#2indent}}{0em}
24671 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
24672 \or % 1
24673 \setlength{\@nameuse{cft#2indent}}{1.5em}
24674 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
24675 \or % 2
24676 \setlength{\@nameuse{cft#2indent}}{3.8em}
24677 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
24678 \or % 3
24679 \setlength{\@nameuse{cft#2indent}}{7.0em}
24680 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
24681 \else % anything else
24682 \setlength{\@nameuse{cft#2indent}}{10.0em}
24683 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
24684 \fi
24685 \@namedef{cft#2font}{\normalfont}
24686 \@namedef{cft#2presnum}{\}
24687 \@namedef{cft#2aftersnum}{\}
24688 \@namedef{cft#2aftersnumb}{\}
24689 \@namedef{cft#2dotsep}{\cftdotsep}
24690 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
24691 \@namedef{cft#2pagefont}{\normalfont}
24692 \@namedef{cft#2afterpnum}{\}
24693 \@namedef{toclevel@#2}{#4}
24694 \@namedef{cft#2fillnum}##1{%
24695 {\@nameuse{cft#2leader}}\nobreak
24696 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
24697 } % end \newlistentry
24698 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
24699 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
24700 \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
24701 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
24702 \textit{#1}\protect\par}}}

```



156 File tocbasic-xetex-bidi.def

```

24703 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/06/15 v0.5 bidi adaptations for tocbasic package]
24704 \bidi@undef\scr@dte@def@l@undottedtocline
24705 \bidi@undef\scr@dte@undottedtocline@init
24706 \DeclareTOCEntryStyle{undottedtocline}[{%
24707   \DefineTOCEntryLengthOption{indent}%
24708     {scr@tso@}{@indent}{entry indent}%
24709   \DefineTOCEntryLengthOption{numwidth}%
24710     {scr@tso@}{@numwidth}{entry number width}%
24711   \@ifundefined{#1tocdepth}{%
24712     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24713       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24714         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24715           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24716             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24717               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24718                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24719                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24720                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24721                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
24722                         \csname #1numdepth\endcsname
24723                     }%
24724                 }%
24725             }%
24726         }%
24727     }%
24728 }%
24729 }%
24730 }%
24731 }%
24732 }{}%
24733 \@ifundefined{scr@tso@#1@indent}{%
24734   \@ifundefined{scr@#1@tocindent}{%
24735     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24736       \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24737         \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24738           \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
24739             \scr@ifundefinedorrelax{1@chapter}{%
24740               \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
24741                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24742                   \Ifstr{#1}{subsubsection}{%
24743                     \@namedef{scr@tso@#1@indent}{3.8em}%
24744                   }%
24745                   \Ifstr{#1}{paragraph}{%
24746                     \@namedef{scr@tso@#1@indent}{7em}%
24747                   }%
24748                   \Ifstr{#1}{subparagraph}{%
24749                     \@namedef{scr@tso@#1@indent}{10em}%
24750                   }%
24751                 }%
24752             }%
24753           }%
24754         }%

```



```

24755         }%
24756     }{%
24757         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24758             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
24759                 \Ifstr{#1}{subsubsection}{%
24760                     \@namedef{scr@tso@#1@indent}{7.0em}%
24761                 }{%
24762                     \Ifstr{#1}{paragraph}{%
24763                         \@namedef{scr@tso@#1@indent}{10em}%
24764                     }{%
24765                         \Ifstr{#1}{subparagraph}{%
24766                             \@namedef{scr@tso@#1@indent}{12em}%
24767                         }{%
24768                             }%
24769                         }%
24770                     }%
24771                 }%
24772             }%
24773         }%
24774     }%
24775 }%
24776 }%
24777 }%
24778 }{%
24779     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
24780 }%
24781 }{}%
24782 \@ifundefined{scr@tso@#1@numwidth}{%
24783     \@ifundefined{scr@#1@tocnumwidth}{%
24784         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24785             \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24786                 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24787                     \scr@ifundefinedorrelax{chapter}{%
24788                         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24789                             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24790                                 \Ifstr{#1}{subsubsection}{%
24791                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
24792                                 }{%
24793                                     \Ifstr{#1}{paragraph}{%
24794                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
24795                                     }{%
24796                                         \Ifstr{#1}{subparagraph}{%
24797                                             \@namedef{scr@tso@#1@numwidth}{5m}%
24798                                         }{%
24799                                             }%
24800                                         }%
24801                                     }%
24802                                 }%
24803                             }%
24804                         }{%
24805                             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24806                                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
24807                                     \Ifstr{#1}{subsubsection}{%
24808                                         \@namedef{scr@tso@#1@numwidth}{3.1em}%

```



```

24809         }{%
24810         \Ifstr{#1}{paragraph}{%
24811         \@namedef{scr@tso@#1@numwidth}{5em}%
24812         }{%
24813         \Ifstr{#1}{subparagraph}{%
24814         \@namedef{scr@tso@#1@numwidth}{6em}%
24815         }{%
24816         }%
24817         }%
24818         }%
24819         }%
24820         }%
24821         }%
24822         }%
24823         }%
24824         }%
24825     }{%
24826     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
24827     }%
24828     }{%
24829 }]{%
24830 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
24831 \ifnum \@nameuse{#1tocdepth}<\@ne
24832 \scr@ifundefinedorrelax{chapter}{%
24833 \addpenalty\@secpenalty
24834 \addvspace{1.0em \@plus\p@}%
24835 }{%
24836 \addpenalty{-\@highpenalty}%
24837 \vskip 1.0em \@plus\p@
24838 }%
24839 \else
24840 \addpenalty\@secpenalty
24841 \addvspace{1.0em \@plus\p@}%
24842 \fi
24843 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
24844 \begingroup
24845 \parindent \z@ \bidi@rightskip \@pnumwidth
24846 \parfillskip -\@pnumwidth
24847 \leavevmode
24848 \bfseries
24849 \advance\bidi@leftskip\@tempdima
24850 \Iftocfeature{\@currentt}{noindent}{%
24851 \hskip -\bidi@leftskip
24852 }{%
24853 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
24854 \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
24855 }%
24856 ##1%
24857 \nobreak
24858 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
24859 \par
24860 \penalty\@highpenalty
24861 \endgroup
24862 \fi

```



```

24863 }
24864
24865 \bidi@undef\scr@dte@def@l@largetocline
24866 \bidi@undef\scr@dte@largetocline@init
24867 \DeclareTOCEntryStyle{largetocline}[{%
24868   \DefineTOCEntryLengthOption{indent}%
24869   {scr@tso@}{@indent}{entry indent}%
24870   \@ifundefined{#1tocdepth}{%
24871     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24872     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24873     \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24874     \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24875     \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24876     \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24877     \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24878     \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24879     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24880     \expandafter\let\csname #1tocdepth\expandafter\endcsname
24881     \csname #1numdepth\endcsname
24882     }%
24883     }%
24884     }%
24885     }%
24886     }%
24887     }%
24888     }%
24889     }%
24890     }%
24891   }{}%
24892   \@ifundefined{scr@tso@#1@indent}{%
24893     \@ifundefined{scr@#1@tocindent}{%
24894       \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24895       \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24896       \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24897       \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
24898       \scr@ifundefinedorrelax{l@chapter}{%
24899         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
24900         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24901         \Ifstr{#1}{subsubsection}{%
24902         \@namedef{scr@tso@#1@indent}{3.8em}%
24903         }{%
24904         \Ifstr{#1}{paragraph}{%
24905         \@namedef{scr@tso@#1@indent}{7em}%
24906         }{%
24907         \Ifstr{#1}{subparagraph}{%
24908         \@namedef{scr@tso@#1@indent}{10em}%
24909         }{%
24910         }%
24911         }%
24912         }%
24913         }%
24914         }%
24915       }{}%
24916       \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%

```



```

24917 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
24918 \Ifstr{#1}{subsubsection}{%
24919 \@namedef{scr@tso@#1@indent}{7.0em}%
24920 }{%
24921 \Ifstr{#1}{paragraph}{%
24922 \@namedef{scr@tso@#1@indent}{10em}%
24923 }{%
24924 \Ifstr{#1}{subparagraph}{%
24925 \@namedef{scr@tso@#1@indent}{12em}%
24926 }{%
24927 }%
24928 }%
24929 }%
24930 }%
24931 }%
24932 }%
24933 }%
24934 }%
24935 }%
24936 }%
24937 }{%
24938 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
24939 }%
24940 }{%
24941 }]{%
24942 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
24943 \ifnum \@nameuse{#1tocdepth}<\@ne
24944 \scr@ifundefinedorrelax{chapter}{%
24945 \addpenalty\@secpenalty
24946 \addvspace{2.25em \@plus\p@}%
24947 }{%
24948 \addpenalty{-\@highpenalty}%
24949 \addvspace{2.25em \@plus\p@}%
24950 }%
24951 \else
24952 \addpenalty\@secpenalty
24953 \addvspace{2.25em \@plus\p@}%
24954 \fi
24955 \setlength\@tempdima{3em}%
24956 \begingroup
24957 \parindent \z@ \bidi@rightskip \@pnumwidth
24958 \parfillskip -\@pnumwidth
24959 \leavevmode
24960 \large
24961 \bfseries
24962 \Iftocfeature{\@currentt}{noindent}{%
24963 }{%
24964 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
24965 }%
24966 ##1%
24967 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
24968 \par
24969 \nobreak
24970 \ifnum 0=

```



```

24971         \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
24972         \global\@nobreaktrue
24973         \everypar{\global\@nobreakfalse\everypar{}}%
24974     \fi
24975 \endgroup
24976 \fi
24977 }
24978
24979 \renewcommand*{\scr@dte@tocline}[3]{%
24980     \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
24981     \else
24982         \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
24983         \addvspace{\@nameuse{scr@tso@#1beforeskip}}\relax
24984         \@nameuse{Ifscr@tso@#1dynindent}{%
24985             \expandafter\ifx\csname scr@tso@#1indentfollows\endcsname\@empty
24986             \PackageWarning{tocbasic}{`dynindent' for `#1' not available}%
24987         \else
24988             \edef\reserved@a{\@nameuse{scr@tso@#1indentfollows}}%
24989             \@for \reserved@a:=\reserved@a\do {%
24990                 \scr@trim@spaces\reserved@a
24991                 \ifx\reserved@a\@empty\else
24992                     \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
24993                         }{%
24994                             \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%
24995                                 \@tempdima\@nameuse{scr@tso@\reserved@a @indent}\relax
24996                                 \@nameuse{Ifscr@tso@\reserved@a @dynnumwidth}{%
24997                                     \scr@ifundefinedorrelax
24998                                     {scr@dte@\reserved@a @lastmaxnumwidth}{%
24999                                         \advance\@tempdima
25000                                         \@nameuse{scr@tso@\reserved@a @numwidth}\relax
25001                                     }{%
25002                                         \advance\@tempdima
25003                                         \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
25004                                     }%
25005                                 }{%
25006                                     \advance\@tempdima
25007                                     \@nameuse{scr@tso@\reserved@a @numwidth}\relax
25008                                 }%
25009                                 \ifdim \@tempdima>\@nameuse{scr@tso@#1indent}\relax
25010                                 \expandafter\edef\csname scr@tso@#1indent\endcsname
25011                                 {\the\@tempdima}%
25012                             \fi
25013                         \fi
25014                     }%
25015                 \fi
25016             }%
25017         \fi
25018     }{%
25019     \Iftocfeature{\@currentx}{noindent}{%
25020         \bidi@leftskip \z@
25021     }{%
25022         \bidi@leftskip \@nameuse{scr@tso@#1indent}\relax
25023     }%
25024 }%

```



```

25025 \bidi@rightskip \@nameuse{scr@tso@#1@rightindent}\relax
25026 \parfillskip -\bidi@rightskip
25027 \@nameuse{Ifscr@tso@#1@raggedpage}{%
25028 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
25029 }{%
25030 \iftocfeature{\@currentx}{noindent}{%
25031 \parindent \z@
25032 }{%
25033 \parindent \@nameuse{scr@tso@#1@indent}\relax
25034 }%
25035 \@afterindenttrue
25036 \interlinepenalty\@M
25037 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
25038 \addtolength\bidi@rightskip\@flushglue
25039 \else
25040 \def\reserved@a{\raggedright}%
25041 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
25042 \addtolength\bidi@rightskip\@flushglue
25043 \else
25044 \renewcommand\reserved@a{\raggedright}%
25045 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
25046 \addtolength\bidi@rightskip\@flushglue
25047 \fi
25048 \fi
25049 \fi
25050 \leavevmode
25051 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
25052 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
25053 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}%
25054 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
25055 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
25056 \fi
25057 }%
25058 }{%
25059 \advance\bidi@leftskip \@tempdima
25060 \null\nobreak\hskip -\bidi@leftskip
25061 }%
25062 \usetocbasicnumberline
25063 \let\scr@dte@numberline@box\numberline@box
25064 \def\numberline@box#1{%
25065 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{#1}}%
25066 \global\scr@dte@tocline@numberwidth
25067 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
25068 \relax
25069 \ifdim \scr@dte@tocline@numberwidth
25070 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
25071 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
25072 \fi
25073 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
25074 \ifdim \scr@dte@tocline@numberwidth
25075 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
25076 +\@nameuse{scr@tso@#1@numsep}\relax\relax
25077 \PackageWarning{tocbasic}{%
25078 number width of #1 toc entries should be

```



```

25079         increased!\MessageBreak
25080     Currently used number width =
25081     \the\wd\scr@dte@tocline@numbox,\MessageBreak
25082     Wanted number separation
25083     \space\space\space =
25084     \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
25085     Reserved number width \space\space\space\space\space\space =
25086     \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
25087 }%
25088 \fi
25089 }%
25090 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
25091 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
25092     {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
25093 }{%
25094 }%
25095 {\@nameuse{scr@tso@#1@entryformat}{%
25096     #2%
25097     \nobreak
25098     {%
25099         \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
25100         \nobreak
25101         \expandafter\let\expandafter\scr@dte@pagenumberwidth
25102         \csname scr@tso@#1@pagenumberwidth\endcsname
25103         \@nameuse{scr@tso@#1@pagenumberbox}{%
25104             \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
25105         }%
25106     }%
25107 }}\@par
25108 }%
25109 }%
25110 \tocbasic@SetPenaltyByTOCLevel{#1}%
25111 \fi
25112 }
25113
25114
25115 \bidi@undef\scr@dte@def@l@tocline
25116 \bidi@undef\scr@dte@tocline@init
25117 \DeclareTOCEntryStyle{tocline}{[%
25118     \DefineTOCEntryLengthOption{beforeskip}%
25119     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
25120     \DefineTOCEntryIfOption{breakafternumber}%
25121     {scr@tso@}{@breakafternumber}{line break after number flag}%
25122     \DefineTOCEntryIfOption{dynnumwidth}%
25123     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
25124     \DefineTOCEntryListOption{indentfollows}%
25125     {scr@tso@}{@indentfollows}{list of levels that define the indent}%
25126     \DefineTOCEntryIfOption{dynindent}%
25127     {scr@tso@}{@dynindent}{dynamic indent width flag}%
25128     \DefineTOCEntryCommandOption{entryformat}%
25129     {scr@tso@}{@entryformat}[1]{entry format}%
25130     \DefineTOCEntryCommandOption{entrynumberformat}%
25131     {scr@tso@}{@numberformat}[1]{entry number format}%
25132     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%

```



```

25133 {scr@tso@}{@linefill}{filling between text and page number}%
25134 \DefineTOCEntryLengthOption{numsep}%
25135 {scr@tso@}{@numsep}{entry number separation}%
25136 \DefineTOCEntryCommandOption{onstarthigherlevel}%
25137 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
25138 \DefineTOCEntryCommandOption{onstartlowerlevel}%
25139 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
25140 \DefineTOCEntryCommandOption{onstartsamelevel}%
25141 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
25142 \DefineTOCEntryCommandOption{pagenumberbox}%
25143 {scr@tso@}{@pagenumberbox}[1]{page number box}%
25144 \DefineTOCEntryCommandOption{pagenumberformat}%
25145 {scr@tso@}{@pagenumberformat}[1]{page number format}%
25146 \DefineTOCEntryLengthOption{pagenumberwidth}%
25147 {scr@tso@}{@pagenumberwidth}{width of page number box}%
25148 \DefineTOCEntryLengthOption{rightindent}%
25149 {scr@tso@}{@rightindent}{entry's text right indent}%
25150 \DefineTOCEntryOption{raggedentrytext}[true]{%
25151 \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
25152 \ifx\FamilyKeyState\FamilyKeyStateProcessed
25153 \if@tempswa
25154 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
25155 \raggedright
25156 \else
25157 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
25158 \relax
25159 \fi
25160 \fi
25161 }%
25162 \DefineTOCEntryIfOption{raggedpagenumber}%
25163 {scr@tso@}{@raggedpage}{page number ragged flag}%
25164 \DefineTOCEntryLengthOption{indent}%
25165 {scr@tso@}{@indent}{entry indent}%
25166 \DefineTOCEntryLengthOption{numwidth}%
25167 {scr@tso@}{@numwidth}{entry number width}%
25168 \scr@ifundefinedorrelax{#1tocdepth}{%
25169 \Ifstrstart{#1}{sub}{%
25170 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
25171 \expandafter\edef\csname #1tocdepth\endcsname{%
25172 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
25173 }%
25174 }%
25175 }{}%
25176 }{}%
25177 \@ifundefined{#1tocdepth}{%
25178 \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
25179 \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
25180 \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
25181 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
25182 \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
25183 \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
25184 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
25185 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
25186 \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%

```



```

25187             \expandafter\let\csname #1tocdepth\expandafter\endcsname
25188             \csname #1numdepth\endcsname
25189         }%
25190     }%
25191 }%
25192 }%
25193 }%
25194 }%
25195 }%
25196 }%
25197 }%
25198 }{}%
25199 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
25200     \@ifundefined{scr@#1@tocindent}{%
25201         \Ifstrstart{#1}{sub}{%
25202             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
25203                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}{%
25204                     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25205                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
25206                         \relax
25207                     }%
25208                 }%
25209             }{%
25210                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
25211                     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25212                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
25213                         \relax
25214                     }%
25215                 }{%
25216                     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25217                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
25218                         +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
25219                         \relax
25220                     }%
25221                 }%
25222             }{}%
25223         }{}%
25224     }{%
25225         \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
25226     }%
25227 }{}%
25228 \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
25229     \Ifstrstart{#1}{sub}{%
25230         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@pagenumberwidth}{%
25231             \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
25232         }{%
25233             \expandafter\let
25234             \csname scr@tso@#1@pagenumberwidth\expandafter\endcsname
25235             \csname scr@tso@\scr@dte@nosub{#1}@pagenumberwidth\endcsname
25236         }%
25237     }{%
25238         \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
25239     }%
25240 }{}%

```



```

25241 \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
25242 \Ifstrstart{#1}{sub}{%
25243 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@rightindent}{%
25244 \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
25245 }{%
25246 \expandafter\let
25247 \csname scr@tso@#1@rightindent\expandafter\endcsname
25248 \csname scr@tso@\scr@dte@nosub{#1}@rightindent\endcsname
25249 }%
25250 }{%
25251 \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
25252 }%
25253 }{%
25254 \@ifundefined{scr@tso@#1@indent}{%
25255 \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25256 \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25257 \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
25258 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
25259 \scr@ifundefinedorrelax{1@chapter}{%
25260 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
25261 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25262 \Ifstr{#1}{subsubsection}{%
25263 \@namedef{scr@tso@#1@indent}{3.8em}%
25264 }{%
25265 \Ifstr{#1}{paragraph}{%
25266 \@namedef{scr@tso@#1@indent}{7em}%
25267 }{%
25268 \Ifstr{#1}{subparagraph}{%
25269 \@namedef{scr@tso@#1@indent}{10em}%
25270 }{%
25271 }%
25272 }%
25273 }%
25274 }%
25275 }%
25276 }{%
25277 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25278 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
25279 \Ifstr{#1}{subsubsection}{%
25280 \@namedef{scr@tso@#1@indent}{7.0em}%
25281 }{%
25282 \Ifstr{#1}{paragraph}{%
25283 \@namedef{scr@tso@#1@indent}{10em}%
25284 }{%
25285 \Ifstr{#1}{subparagraph}{%
25286 \@namedef{scr@tso@#1@indent}{12em}%
25287 }{%
25288 }%
25289 }%
25290 }%
25291 }%
25292 }%
25293 }%
25294 }%

```



```

25295         }%
25296     }%
25297 }%
25298 }{}%
25299 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
25300     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
25301         \Ifstrstart{#1}{sub}{%
25302             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
25303             \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
25304                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
25305                     +.9em}%
25306             \relax
25307         }%
25308     }%
25309 }{}%
25310 }{%
25311     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
25312 }%
25313 }{}%
25314 \@ifundefined{scr@tso@#1@numwidth}{%
25315     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25316         \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25317             \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25318                 \scr@ifundefinedorrelax{chapter}{%
25319                     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25320                         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25321                             \Ifstr{#1}{subsubsection}{%
25322                                 \@namedef{scr@tso@#1@numwidth}{3.2em}%
25323                             }%
25324                             \Ifstr{#1}{paragraph}{%
25325                                 \@namedef{scr@tso@#1@numwidth}{4.1em}%
25326                             }{%
25327                                 \Ifstr{#1}{subparagraph}{%
25328                                     \@namedef{scr@tso@#1@numwidth}{5m}%
25329                                 }%
25330                             }%
25331                         }%
25332                     }%
25333                 }%
25334             }%
25335         }{}%
25336         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25337             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
25338                 \Ifstr{#1}{subsubsection}{%
25339                     \@namedef{scr@tso@#1@numwidth}{3.1em}%
25340                 }%
25341                 \Ifstr{#1}{paragraph}{%
25342                     \@namedef{scr@tso@#1@numwidth}{5em}%
25343                 }{%
25344                     \Ifstr{#1}{subparagraph}{%
25345                         \@namedef{scr@tso@#1@numwidth}{6em}%
25346                     }%
25347                 }%
25348             }%

```



```

25349         }%
25350     }%
25351 }%
25352 }%
25353 }%
25354 }%
25355 }%
25356 }{}%
25357 \expandafter\renewcommand%
25358 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
25359 \expandafter\renewcommand%
25360 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
25361 \expandafter\renewcommand%
25362 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
25363 \@ifundefined{scr@tso@#1@beforeskip}{%
25364     \Ifstr{#1}{part}{%
25365         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
25366     }{%
25367         \Ifstr{#1}{chapter}{%
25368             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
25369         }{%
25370             \Ifstr{#1}{section}{%
25371                 \scr@ifundefinedorrelax{1@chapter}{%
25372                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
25373                 }{}%
25374             }{}%
25375         }%
25376     }%
25377     \expandafter\renewcommand\expandafter*%
25378     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
25379 }{}%
25380 \@ifundefined{scr@dte@#1@maxnumwidth}{%
25381     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
25382     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
25383 }{}%
25384 \renewcommand*{\scr@dte@donumwidth}{}%
25385 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
25386 \expandafter\renewcommand\expandafter*%
25387 \csname scr@tso@#1@numsep\endcsname{.4em}%
25388 \expandafter\renewcommand%
25389 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
25390 \Ifstr{#1}{part}{%
25391     \expandafter\providecommand%
25392     \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
25393 }{%
25394     \Ifstr{#1}{chapter}{%
25395         \expandafter\providecommand%
25396         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
25397     }{%
25398         \scr@ifundefinedorrelax{1@chapter}{%
25399             \Ifstr{#1}{section}{%
25400                 \expandafter\providecommand%
25401                 \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
25402             }{}%

```



```

25403     }{}%
25404     \expandafter\providecommand%
25405     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
25406   }%
25407 }%
25408 \expandafter\renewcommand
25409 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
25410 \@ifundefined{scr@tso@#1@linefill}{%
25411   \Ifstr{#1}{part}{%
25412     \@namedef{scr@tso@#1@linefill}{\hfill}%
25413   }{%
25414     \Ifstr{#1}{chapter}{%
25415       \@namedef{scr@tso@#1@linefill}{\hfill}%
25416     }{%
25417       \scr@ifundefinedorrelax{1@chapter}{%
25418         \Ifstr{#1}{section}{%
25419           \@namedef{scr@tso@#1@linefill}{\hfill}%
25420         }{}%
25421       }{}%
25422     }%
25423     \expandafter\renewcommand%
25424     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
25425   }%
25426 }{}%
25427 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
25428 \Ifstr{#1}{part}{%
25429   \expandafter\providecommand%
25430   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
25431 }{%
25432   \Ifstr{#1}{chapter}{%
25433     \expandafter\providecommand%
25434     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
25435   }{%
25436     \scr@ifundefinedorrelax{1@chapter}{%
25437       \Ifstr{#1}{section}{%
25438         \expandafter\providecommand%
25439         \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
25440       }{}%
25441     }{}%
25442     \expandafter\providecommand%
25443     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
25444       {\normalfont\normalcolor ##1}}%
25445   }%
25446 }%
25447 \expandafter\renewcommand%
25448 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
25449   \hb@xt@{\@nameuse{scr@dte@pagenumberwidth}}{\hfil ##1}}%
25450 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
25451 \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname[2]{##2}%
25452 \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
25453   \Ifstrstart{#1}{sub}{%
25454     \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%
25455       \scr@dte@nosub{#1}%
25456     }%

```



```

25457 }{%
25458 \expandafter\let\csname scr@tso@#1@indentfollows\endcsname\@empty
25459 }%
25460 }{}%
25461 }]{%
25462 \scr@dte@tocline{#1}{##1}{##2}%
25463 }
25464
25465 \if@bidi@csdef{scr@tso@figure@pagenumberformat}{%
25466 \renewcommand*{\scr@tso@figure@pagenumberformat}[1]{%
25467 {\normalfont\normalcolor #1}%
25468 }%
25469 }{}
25470
25471 \if@bidi@csdef{scr@tso@table@pagenumberformat}{%
25472 \renewcommand*{\scr@tso@table@pagenumberformat}[1]{%
25473 {\normalfont\normalcolor #1}%
25474 }%
25475 }{}
25476

```

157 File tocstyle-xetex-bidi.def

```

25477 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
25478 \renewcommand*{\tocstyle@dottedtocline}[5]{%
25479 \let\numberline\tocstyle@numberline
25480 \ifnum #1>\c@tocdepth \else
25481 \if@tocstyle@penalties
25482 \begingroup
25483 \@tempcnta 20010
25484 \advance \@tempcnta by -#1
25485 \ifnum \@tempcnta>\lastpenalty
25486 \aftergroup\penalty\aftergroup\@lowpenalty
25487 \fi
25488 \endgroup
25489 \fi
25490 \edef\tocstyledepth{#1}%
25491 \tocstyle@activate@features
25492 \ifx\tocstyle@feature@entryvskip\relax
25493 \vskip \z@ \@plus.2\p@
25494 \else
25495 \addvspace{\tocstyle@feature@entryvskip}%
25496 \fi
25497 {%
25498 \parskip \z@ \parindent \z@ \if@RTL\righskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
25499 \tocstyle@feature@raggedhook
25500 \@tempdima #3\relax
25501 \@tempdimb #2\relax
25502 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25503 \ifnum #1>\z@\relax
25504 \@tempcnta #1\relax \advance\@tempcnta \m@ne
25505 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25506 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25507 \@tempdimb

```



```

25508         \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25509         \advance\@tempdimb
25510         \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25511     \fi
25512 \fi
25513 \fi
25514 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25515 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
25516     \ifdim \@tempdimb>
25517         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
25518         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25519             @#1\endcsname{\the\@tempdimb}%
25520     \fi
25521 \else
25522     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25523         @#1\endcsname{\the\@tempdimb}%
25524 \fi
25525 \iftocstyle@autolength
25526     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25527         \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25528         \relax
25529     \fi
25530     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
25531         \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
25532         \relax
25533     \fi
25534     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25535     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25536 \else
25537     \@tempdimb #2\relax
25538     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25539 \fi
25540 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
25541     \ifdim \@tempdima>
25542         \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
25543         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25544             @\endcsname{\the\@tempdima}%
25545     \fi
25546 \else
25547     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25548         @\endcsname{\the\@tempdima}%
25549 \fi
25550 \ifcase\tocstyle@indentstyle\relax\else
25551     \@tempdimb \z@
25552     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25553         \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25554         \relax
25555     \fi
25556     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25557     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25558 \fi
25559 \advance\parindent \@tempdimb\@afterindenttrue
25560 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
25561 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg

```



```

25562 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
25563 \ifx\tocstyle@feature@parfillskip\relax\else
25564 \advance\parfillskip \tocstyle@feature@parfillskip\relax
25565 \fi
25566 \interlinepenalty\@M
25567 \leavevmode
25568 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
25569 \null\nobreak
25570 \iftocstyle@indentnotnumbered\else
25571 \hskip -\if@RTL\rightskip\else\leftskip\fi
25572 \fi
25573 \tocstyle@feature@entryhook
25574 {#4}\nobreak
25575 \ifx\tocstyle@feature@leaders\relax
25576 \leaders\hbox{$\m@th
25577 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
25578 \mkern \@dotsep mu$}\hfill
25579 \else
25580 \tocstyle@feature@leaders
25581 \fi
25582 \nobreak
25583 \ifx\tocstyle@feature@pagenumberbox\relax
25584 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
25585 \else
25586 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
25587 \fi
25588 \par
25589 }%
25590 \if@tocstyle@penalties
25591 \bgroup
25592 \@tempcnta 20009
25593 \advance\@tempcnta by -#1
25594 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
25595 \reserved@a
25596 \fi
25597 \fi}
25598 \renewcommand*{\tocstyle@numberline}[1]{%
25599 \beginngroup
25600 \ifx\tocstyle@feature@spaceafternumber\relax
25601 \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
25602 \else
25603 \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
25604 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
25605 \fi
25606 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
25607 \ifdim \@tempdima >
25608 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
25609 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
25610 @\tocstyledepth\endcsname{\the\@tempdima}%
25611 \fi
25612 \else
25613 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
25614 @\tocstyledepth\endcsname{\the\@tempdima}%
25615 \fi

```



```

25616 \endgroup
25617 \iftocstyle@indentnotnumbered
25618 \hskip -\if@RTL\rightskip\else\leftskip\fi
25619 \fi
25620 \ifcase \tocstyle@indentstyle
25621 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
25622 \or
25623 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
25624 \else
25625 \ifx\tocstyle@feature@spaceafternumber\relax
25626 \hbox{\tocstyle@numberline{#1}\enskip}%
25627 \else
25628 \hbox{\tocstyle@numberline{#1}\hskip
25629 \tocstyle@feature@spaceafternumber\relax}%
25630 \fi
25631 \fi
25632 }
25633 \AtBeginDocument{%
25634 \ifcsname l@part\endcsname
25635 \ifcsname l@chapter\endcsname
25636 \setbox\@tempboxa\vbox{\hsize\maxdimen
25637 \l@part{\tocstyle@l@define{part}{-1}}{}}%
25638 \else
25639 \setbox\@tempboxa\vbox{\hsize\maxdimen
25640 \l@part{\tocstyle@l@define{part}{0}}{}}%
25641 \fi
25642 \fi
25643 \ifcsname l@chapter\endcsname
25644 \setbox\@tempboxa\vbox{\hsize\maxdimen
25645 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
25646 \fi
25647 \ifcsname l@section\endcsname
25648 \setbox\@tempboxa\vbox{\hsize\maxdimen
25649 \l@section{\tocstyle@l@define{section}{1}}{}}%
25650 \fi
25651 \ifcsname l@subsection\endcsname
25652 \setbox\@tempboxa\vbox{\hsize\maxdimen
25653 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
25654 \fi
25655 \ifcsname l@subsubsection\endcsname
25656 \setbox\@tempboxa\vbox{\hsize\maxdimen
25657 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
25658 \fi
25659 \ifcsname l@paragraph\endcsname
25660 \setbox\@tempboxa\vbox{\hsize\maxdimen
25661 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
25662 \fi
25663 \ifcsname l@subparagraph\endcsname
25664 \setbox\@tempboxa\vbox{\hsize\maxdimen
25665 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
25666 \fi
25667 \ifcsname l@table\endcsname
25668 \setbox\@tempboxa\vbox{\hsize\maxdimen
25669 \l@table{\tocstyle@l@define{table}{1}}{}}%

```



```

25670 \fi
25671 \ifcsname l@figure\endcsname
25672 \setbox\@tempboxa\vbox{\hsize\maxdimen
25673 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
25674 \fi
25675 \def\@tempa#1#2#3#4#5{%
25676 \ifnum #1>\c@tocdepth \else
25677 \vskip \z@ \@plus.2\p@
25678 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@toc
25679 \parindent #2\relax\@afterindenttrue
25680 \interlinepenalty\@M
25681 \leavevmode
25682 \@tempdima #3\relax
25683 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\r
25684 {#4}\nobreak
25685 \leaders\hbox{$\m@th
25686 \mkern \dotsep mu\hbox{.}\mkern \dotsep
25687 mu$}\hfill
25688 \nobreak
25689 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
25690 \par}%
25691 \fi}%
25692 \ifx\@dottedtocline\@tempa\else
25693 \tocstyle@macrochangewarning\@dottedtocline
25694 \fi
25695 \let\tocstyle@saved@dottedtocline\@dottedtocline
25696 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
25697 \ifx\numberline\@tempa\else
25698 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
25699 \ifx\numberline\@tempa\else
25700 \tocstyle@macrochangewarning\numberline
25701 \fi
25702 \fi
25703 \let\tocstyle@saved@numberline\numberline
25704 }
25705 \renewcommand*{\tocstyle@l@define}[2]{%
25706 \advance\if@RTL\righskip\else\leftskip\fi-\@tempdima
25707 \edef\@tempa{%
25708 \noexpand\global\noexpand\let
25709 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
25710 \expandafter\noexpand\csname l@#1\endcsname
25711 \noexpand\gdef
25712 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
25713 \noexpand\@dottedtocline{#2}{\the\if@RTL\righskip\else\leftskip\fi}{\the\@tempdima}}
25714 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@{
25715 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
25716 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
25717 }%
25718 }%
25719 \PackageInfo{tocstyle}{prepare \expandafter\string
25720 \csname l@#1\endcsname\space for redefinition}%
25721 \@tempa
25722 }

```



158 File todonotes-xetex-bidi.def

```

25723 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes pack
25724 \newif\if@bidi@todonotes@textdirection@RTL
25725 \newif\if@bidi@todonotes@figposition@right
25726 \newcommand{\@bidi@todonotes@align}{}%
25727 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
25728 \newcommand{\@bidi@todonotes@textdirection}{}%
25729 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{rig
25730 \ifcase\@bidi@todonotes@tempb\relax
25731 \@bidi@todonotes@textdirection@RTLtrue
25732 \let\@bidi@todonotes@textdirection\@bidi@todonotes@tempb\relax
25733 \or
25734 \@bidi@todonotes@textdirection@RTLfalse
25735 \let\@bidi@todonotes@textdirection\@bidi@todonotes@tempb\relax
25736 \fi}
25737 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right
25738 \ifcase\@bidi@todonotes@tempb\relax
25739 \@bidi@todonotes@figposition@righttrue
25740 \or
25741 \@bidi@todonotes@figposition@rightfalse
25742 \fi}
25743 \if@todonotes@disabled%
25744 \else % \if@todonotes@disabled
25745 \renewcommand{\@todonotes@drawInlineNote}{%
25746 \if@todonotes@dviStyle%
25747 {\par\noindent\begin{tikzpicture}[remember picture]%
25748 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25749 \if@todonotes@authorgiven%
25750 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
25751 \else%
25752 {\noindent \@todonotes@sizecommand \@todonotes@text}%
25753 \fi
25754 {\par\noindent\begin{tikzpicture}[remember picture]%
25755 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25756 \else%
25757 {\par\noindent\begin{tikzpicture}[remember picture]%
25758 \if@bidi@todonotes@textdirection@RTL\setRTL\fi
25759 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@
25760 \if@todonotes@authorgiven%
25761 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@tex
25762 \else%
25763 {\noindent \@todonotes@sizecommand \@todonotes@text}%
25764 \fi};%
25765 \end{tikzpicture}\par}%
25766 \fi}%
25767 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
25768 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
25769 \node [coordinate] (inText) {};%
25770 \end{tikzpicture}%
25771 \marginpar[{\% Draw note in left margin
25772 \@todonotes@drawMarginNote%
25773 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
25774 }]{\% Draw note in right margin

```



```

25775 \@todonotes@drawMarginNote%
25776 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
25777 }%
25778 }%
25779 \renewcommand{\@todonotes@drawMarginNote}{%
25780 \if@todonotes@dviStyle%
25781 \begin{tikzpicture}[remember picture]%
25782 \draw node[notestyle] {};%
25783 \end{tikzpicture}\\%
25784 \begin{minipage}{\@todonotes@textwidth}%
25785 \if@todonotes@authorgiven%
25786 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
25787 \else%
25788 \@todonotes@sizecommand \@todonotes@text%
25789 \fi%
25790 \end{minipage}\\%
25791 \begin{tikzpicture}[remember picture]%
25792 \draw node[notestyle] (inNote) {};%
25793 \end{tikzpicture}%
25794 \else%
25795 \let\originalHbadness\hbadness%
25796 \hbadness 100000%
25797 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
25798 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25799 \node(X){\vphantom{X}};%
25800 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25801 \if@todonotes@authorgiven%
25802 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@sizecommand \@todonotes@author};%
25803 \node(Y)[below=of X]{};%
25804 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25805 \else%
25806 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25807 \fi%
25808 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25809 \fi%
25810 \end{tikzpicture}%
25811 \hbadness \originalHbadness%
25812 \fi}%
25813 \renewcommand{\missingfigure}[2]{}%
25814 \setkeys{todonotes}{#1}%
25815 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
25816 \par
25817 \noindent
25818 \begin{tikzpicture}
25819 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
25820 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
25821 \if@bidi@todonotes@figposition@right%
25822 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25823 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
25824 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
25825 \if@bidi@todonotes@figposition@right%

```



```

25829 \end{scope}
25830 \begin{scope}[xshift=-3.8cm]
25831 \fi%
25832 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25833 \draw (2, -0.3) node[right, text
25834     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
25835 \if@bidi@todonotes@figposition@right%
25836 \end{scope}
25837 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25838 \fi%
25839 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}}
25840 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}}
25841 \if@bidi@todonotes@figposition@right%
25842 \end{scope}
25843 \fi%
25844 \end{tikzpicture}\hfill
25845 }% Ending \missingfigure command
25846 \fi % Ending \@todonotes@ifdisabled
25847 \presetkeys%
25848     {todonotes}%
25849     {align=left,%
25850     textdirection=lefttoright,%
25851     figposition=left}{}%

```

159 File wrapfig-xetex-bidi.def

```

25852 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package]
25853 \let\WF@everypar\@everypar
25854 \def\WF@putfigmaybe{%
25855 \ifinner
25856     \vskip-\parskip \global\WF@floatfalse
25857     \let\pagetotal\maxdimen % kludge flag for "not top of page"
25858 \else % outer page
25859     \@tempdima\pagedepth % save page depth
25860     {\advance\parskip\@tempdima\ifRTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
25861     \penalty\interlinepenalty % update pg. parameters
25862     \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
25863     \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
25864         \global\WF@floatfalse
25865         \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
25866     \else
25867         \ifdim\WF@size>\@tempdimb
25868             \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
25869             \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
25870             \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
25871             \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
25872             \advance\dimen@.5\baselineskip
25873             \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
25874                 \global\WF@floatfalse \pagebreak
25875             \fi
25876         \else % \WF@info{Fits in \the\@tempdimb;}%
25877             \global\WF@floatfalse
25878         \fi\fi
25879     \vskip\@tempdima\relax % (return erased page depth)

```



```

25880 \fi
25881 \noindent
25882 \ifWF@float
25883   \WF@fltnes
25884 \else % putting here;
25885   \WF@info{Put \WF@wfname here:}%
25886   {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
25887     \lccode`i`\lccode`o`r\else \lccode`i`r\lccode`o`\l\fi
25888     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
25889   \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
25890     \@tempdima\wd\WF@box \@tempdimb\WF@ovh
25891     \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
25892     \@tempdimb\hsize \advance\@tempdimb-\@tempdima
25893     \xdef\WF@adjlw{\the\@tempdima}%
25894     \ifnum `l=\WF@place % fig on left
25895       \if@RTL%
25896         \kern\@tempdimb \kern\columnsep
25897         \def\@tempa{\hss}% position to left of the gap
25898         \else%
25899         \hss % figure overlaps space to the left
25900         \def\@tempa{\kern\columnsep}% position to left of the gap
25901         \fi%
25902       \else % fig on right
25903         \if@RTL%
25904         \hss
25905         \@tempdima\z@
25906         \def\@tempa{\kern\columnsep}
25907         \else%
25908         \@tempdima\z@ % no left indentation
25909         \kern\@tempdimb \kern\columnsep
25910         \def\@tempa{\hss}% figure overlaps space to the right
25911         \fi%
25912       \fi
25913       \ifdim\@tempdimb<\hsize
25914         \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
25915         \xdef\WF@adjtlm{\the\@tempdima}%
25916       \else
25917         \xdef\WF@wrapil{\z@ \the\hsize}%
25918         \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
25919       \fi
25920       \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
25921         \global\advance\WF@size-\intextsep
25922       \else % \WF@info{Putting \WF@wfname in middle of page}%
25923         \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
25924         \fi \dp\WF@box\z@ \box\WF@box \@tempa
25925     }% end \hbox to Opt
25926   \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
25927 \fi}

```

160 File xcolor-xetex-bidi.def

```

25928 \ProvidesFile{xcolor-xetex-bidi.def}[2022/06/13 v0.3 bidi adaptations for xcolor package fo
25929 \long\def\color@b@x#1#2#3%
25930 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi

```



```

25931 \setbox\z@\hbox{\kern\fbboxsep\setcolor\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}
25932 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
25933 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
25934 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
25935 \protected\def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup
25936 \DeclareRobustCommand\color
25937 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}
25938 \def\@undeclaredcolor[#1]#2%
25939 {\begingroup
25940 \let\@cls\@empty
25941 \XC@getmodclr12{#1}{#2}{}%
25942 {\ifblendcolors
25943 \ifx\colorblend\@empty\else
25944 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
25945 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
25946 \fi
25947 \fi
25948 \ifconvertcolorsU
25949 \edef\@tmp{\XC@tgt@mod{\@mod}}%
25950 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
25951 \fi
25952 \ifmaskcolors
25953 \convertcolorspec\@mod\@clr\XC@mmod\@clr
25954 \let\@mod\XC@mmod
25955 \XC@inflate\@mod\XC@mclr\@clr\@tmp
25956 \expandafter\XC@mul\@tmp,\@clr
25957 \fi
25958 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
25959 \expandafter\endgroup\@tmp}}
25960 \def\@declaredcolor#1%
25961 {\XC@edef\XC@tmp{#1}\XC@tstfalse
25962 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
25963 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
25964 \ifconvertcolorsU\XC@tsttrue\fi
25965 \fi
25966 \ifXC@tst
25967 \expandafter\XC@declaredcolor\else
25968 \expandafter\XC@declaredcolor\fi}
25969 \def\XC@undeclaredcolor#1#2%
25970 {\@ifundefinedmodel{#1}%
25971 {\c@lor@error{model `#1'}}%
25972 {\@nameuse{color@#1}\current@color{#2}}%
25973 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
25974 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
25975 \def\XC@declaredcolor
25976 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
25977 \edef\current@color{\XC@current@color}%
25978 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
25979 \DeclareRobustCommand\bidicolor
25980 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
25981 \def\@bidiundeclaredcolor[#1]#2%
25982 {\begingroup
25983 \let\@cls\@empty
25984 \XC@getmodclr12{#1}{#2}{}%

```



```

25985 {\ifblendcolors
25986   \ifx\colorblend\@empty\else
25987     \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
25988     \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
25989   \fi
25990 \fi
25991 \ifconvertcolorsU
25992   \edef\@tmp{\XC@tgt@mod{\@mod}}%
25993   \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
25994 \fi
25995 \ifmaskcolors
25996   \convertcolorspec\@mod\@clr\XC@mmod\@clr
25997   \let\@mod\XC@mmod
25998   \XC@inflate\@mod\XC@mclr\@clr\@tmp
25999   \expandafter\XC@mul\@tmp,\@clr
26000 \fi
26001   \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
26002   \expandafter\endgroup\@tmp}}
26003 \def\XC@bidiundeclaredcolor#1#2%
26004 {\@ifundefinedmodel{#1}%
26005  {\c@lor@error{model `#1'}}%
26006  {\@nameuse{color@#1}\current@color{#2}}%
26007   \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
26008   \XC@display}}
26009 \def\@bidideclaredcolor#1%
26010 {\XC@edef\XC@tmp{#1}\XC@tstfalse
26011  \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
26012    \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
26013    \ifconvertcolorsU\XC@tsttrue\fi
26014  \fi
26015  \ifXC@tst
26016    \expandafter\XC@bidideclaredcolor\else
26017    \expandafter\XC@bidideclaredc@lor\fi}
26018 \def\XC@bidideclaredcolor
26019 {\XC@split\XC@tmp
26020  \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
26021  \expandafter\endgroup\@tmp}
26022 \def\XC@bidideclaredc@lor
26023 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
26024  \edef\current@color{\XC@current@color}%
26025  \XC@display}
26026 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
26027 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
26028 \def\color@fb@x#1#2#3#4%
26029 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
26030  {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
26031 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmo

```

161 File latex-xetex-bidi.def

```

26032 \ProvidesFile{latex-xetex-bidi.def}[2024/12/07 v1.5.0 bidi adaptations for `latex.ltx' for
26033 \newcommand{\TeXxETOn}{\TeXxETstate\@ne}
26034 \newcommand{\TeXxETOff}{\TeXxETstate\z@}
26035 \TeXxETOn

```



```

26036 \def\ bidi@RTL@everypar{{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\useb
26037 \let\ bidi@o@everypar=\everypar
26038 \newtoks\ bidi@n@everypar
26039 \ bidi@n@everypar\expandafter{\the\ bidi@o@everypar}
26040 \ bidi@o@everypar{\ bidi@RTL@everypar\the\ bidi@n@everypar}
26041 \let\everypar=\ bidi@n@everypar
26042 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
26043 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
26044 \protected\def\ hboxR{\ hbox\ bgroup
26045 \everyhbox{%
26046 \aftergroup\egroup
26047 \everyhbox{}}%
26048 \beginR
26049 \@ hboxRconstructtrue
26050 \bgroup
26051 \aftergroup\endR
26052 \aftergroup\egroup
26053 }\ hbox}
26054 \protected\def\ hboxL{\ hbox\ bgroup
26055 \everyhbox{%
26056 \aftergroup\egroup
26057 \everyhbox{}}%
26058 \beginL
26059 \@ hboxRconstructfalse
26060 \bgroup
26061 \aftergroup\endL
26062 \aftergroup\egroup
26063 }\ hbox}
26064 \protected\def\ vboxR{\ vbox\ bgroup
26065 \everyvbox{%
26066 \aftergroup\egroup
26067 \everyvbox{}}%
26068 \@RTLtrue
26069 \@RTLtabtrue
26070 \bgroup
26071 \aftergroup\egroup
26072 }\ vbox}
26073 \protected\def\ vboxL{\ vbox\ bgroup
26074 \everyvbox{%
26075 \aftergroup\egroup
26076 \everyvbox{}}%
26077 \@RTLfalse
26078 \@RTLtabfalse
26079 \bgroup
26080 \aftergroup\egroup
26081 }\ vbox}
26082 \newcommand*{\ bidi@leftskip}{\if@RTL\rightskip\else\leftskip\fi}
26083 \newcommand*{\ bidi@rightskip}{\if@RTL\leftskip\else\rightskip\fi}
26084 \def\LTR{\par\@RTLfalse\@RTLfootnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@\ bidi@be
26085 \def\endLTR{\par}
26086 \newenvironment{LTR*}{\LTR
26087 \everypar{%
26088 {\setbox\z@\lastbox
26089 \ifvoid\z@

```



```

26090      \kern-\parindent
26091      \fi}%
26092    }%
26093  }{\endLTR\@endpetrue}
26094  \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@\bidi@beamer}
26095  \def\endRTL{\par}
26096  \newenvironment{RTL*}{\RTL
26097    \everypar{%
26098      {\setbox\z@\lastbox
26099        \ifvoid\z@
26100          \kern-\parindent
26101          \fi}%
26102      }%
26103  }{\endRTL\@endpetrue}
26104  \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\bidi@beamer@ragged}
26105  \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\bidi@beamer@ragged}
26106  \let\unsetRTL=\setLTR
26107  \let\unsetLTR=\setRTL
26108  \let\LR=\LRE
26109  \let\RL=\RLE
26110  \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
26111  \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
26112  \let\@ensure@RL=\@ensure@RTL
26113  \let\@ensure@LR=\@ensure@LTR
26114  \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
26115  \let\@ensure@maindir=\@ensure@dir
26116  \def\@RTL{RTL}
26117  \def\@LTR{LTR}
26118  \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
26119  \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
26120  \let\@TeX\TeX
26121  \def\TeX{\@ensure@LTR{\@TeX}}
26122  \let\@LaTeX\LaTeX
26123  \def\LaTeX{\@ensure@LTR{\@LaTeX}}
26124  \let\@LaTeXe\LaTeXe
26125  \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
26126  \long\def\bidi@reflect@box#1{%
26127    \leavevmode
26128    \setbox\z@\hbox{#1}%
26129    \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
26130    \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
26131  }
26132  \if@bidi@csundef{XeTeX}{%
26133    \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
26134      \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}%
26135  }{%
26136    \let\@bidi@orig@XeTeX\XeTeX
26137    \bidi@renewrobustcmd*{\XeTeX}{\LR{\@bidi@orig@XeTeX}}%
26138  }
26139  \if@bidi@csundef{XeLaTeX}{%
26140    \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
26141      \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}%
26142  }{%
26143    \let\@bidi@orig@XeLaTeX\XeLaTeX

```



```

26144 \bidi@renewrobustcmd*{\XeLaTeX}{\LR{\@bidi@orig@XeLaTeX}}%
26145 }
26146 \let\setRL=\setRTL
26147 \let\setLR=\setLTR
26148 \let\unsetRL=\setLTR
26149 \def\bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
26150 \@ifpackageloaded{array}{%
26151 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
26152 \leavevmode
26153 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
26154 \let\dollarend\end\group
26155 \@tabarray}
26156 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
26157 }{%
26158 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
26159 \leavevmode \hbox \bgroup
26160 $\left.\let\@acol\@tabacol
26161 \let\@classz\@tabclassz
26162 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26163
26164 \def\endbidi@tabular@RTLcases{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
26165 \egroup\right\rbrace $\egroup}}
26166 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
26167 \ialign{##\hfil$\quad{##}\hfil\crrc#1\crrc}}\,\right\}}
26168 \renewenvironment{RTLcases}{%
26169 \bidi@matrix@check\RTLcases\env@RTLcases
26170 }{%
26171 \endbidi@tabular@RTLcases%
26172 }
26173 \def\env@RTLcases{%
26174 \let\@ifnextchar\bidi@new@ifnextchar
26175 \def\arraystretch{1.2}%
26176 \bidi@tabular@RTLcases{@}r{\quad}r@{}}%
26177 }
26178 \def\SepMark#1{\gdef\@SepMark{#1}}
26179 \SepMark{.}
26180 \def\@thmcountersep{\@SepMark}
26181 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
26182 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
26183 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
26184 \newcommand*\bidi@thebibliography@font@hook{}
26185 \def\list#1#2{%
26186 \ifnum \@listdepth >5\relax
26187 \toodeep
26188 \else
26189 \global\advance\@listdepth\@ne
26190 \fi
26191 \rightmargin\z@
26192 \listparindent\z@
26193 \itemindent\z@
26194 \csname @list\romannumeral\the\@listdepth\endcsname
26195 \def\@itemlabel{#1}%
26196 \let\makelabel\@mklab
26197 \@nmbrlistfalse

```



```

26198 #2\relax
26199 \@trivlist
26200 \parskip\parsep
26201 \parindent\listparindent
26202 \advance\linewidth -\rightmargin
26203 \advance\linewidth -\leftmargin
26204 \if@bidi@list@minipage@parbox
26205 \if@RTL
26206 \advance\@totalleftmargin \leftmargin
26207 \else
26208 \advance\@totalleftmargin \rightmargin
26209 \fi
26210 \else
26211 \if@hboxRconstruct
26212 \if@bidi@list@minipage@parbox@not@nob
26213 \if@RTL
26214 \advance\@totalleftmargin \rightmargin
26215 \else
26216 \advance\@totalleftmargin \leftmargin
26217 \fi
26218 \else
26219 \if@RTL
26220 \advance\@totalleftmargin \leftmargin
26221 \else
26222 \advance\@totalleftmargin \rightmargin
26223 \fi\fi
26224 \else
26225 \if@RTL
26226 \advance\@totalleftmargin \rightmargin
26227 \else
26228 \advance\@totalleftmargin \leftmargin
26229 \fi\fi\fi
26230 \parshape \@ne \@totalleftmargin \linewidth
26231 \ignorespaces}
26232 \long\def\@iiiparbox#1#2[#3]#4#5{%
26233 \leavevmode
26234 \@pboxswfalse
26235 \if@hboxRconstruct
26236 \@bidi@list@minipage@parbox@not@nobtrue
26237 \fi
26238 \if@RTL
26239 \ifx#1t%
26240 \@bidi@list@minipage@parboxtrue
26241 \else
26242 \ifx#1b%
26243 \@bidi@list@minipage@parboxtrue
26244 \fi
26245 \fi
26246 \fi
26247 \setlength\@tempdima{#4}%
26248 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
26249 \ifx\relax#2\else
26250 \setlength\@tempdimb{#2}%
26251 \edef\@parboxto{to\the\@tempdimb}%

```



```

26252 \fi
26253 \if#1b\vbox
26254 \else\if #1t\vtop
26255 \else\ifmmode\vcenter
26256 \else\@pboxswtrue $\vcenter
26257 \fi\fi\fi
26258 \@parboxto{\let\hss\vss\let\unhbox\unvbox
26259 \csname bm@#3\endcsname}%
26260 \if@pboxsw \m@th$\fi
26261 \@end@tempboxa}
26262 \newenvironment{LTRitems}
26263 {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
26264 \if@bidi@list@minipage@parbox
26265 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26266 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26267 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26268 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26269 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26270 \ignorespaces}{\vskip\z@}
26271 \newenvironment{RTLitems}
26272 {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
26273 \if@bidi@list@minipage@parbox
26274 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26275 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26276 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26277 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26278 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26279 \ignorespaces}{\vskip\z@}
26280 \newenvironment{LTRbibitems}
26281 {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
26282 \if@bidi@list@minipage@parbox
26283 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26284 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26285 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26286 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26287 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26288 \ignorespaces}{\vskip\z@}
26289 \newenvironment{RTLbibitems}
26290 {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
26291 \if@bidi@list@minipage@parbox
26292 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26293 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26294 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26295 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26296 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26297 \ignorespaces}{\vskip\z@}
26298 \def\raggedright{%
26299 \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
26300 \leftskip\z@skip
26301 \parindent\z@\parfillskip\z@skip}
26302 \let\bidi@orig@raggedleft\raggedleft
26303 \let\bidi@orig@raggedright\raggedright
26304 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob\parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\else\parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\ignorespaces}
26305 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob\parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\else\parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\ignorespaces}

```



```

26306 \newcommand{\bidi@raggedright}{\ifRTL\raggedleft\else\raggedright\fi}
26307 \newcommand{\bidi@raggedleft}{\ifRTL\raggedright\else\raggedleft\fi}
26308 \DeclareRobustCommand\centerline[1]{%
26309 \ifRTL\@@line{\hss\beginR#1\endR\hss}
26310 \else\@@line{\hss#1\hss}\fi}
26311 \def\bidi@orig@leftline#1{%
26312 \ifRTL\@@line{\beginR#1\endR\hss}
26313 \else\@@line{#1\hss}\fi}
26314 \def\bidi@orig@rightline#1{%
26315 \ifRTL\@@line{\hss\beginR#1\endR}
26316 \else\@@line{\hss#1}\fi}
26317 \DeclareRobustCommand\leftline[1]{\ifhmode\ifRTL\bidi@orig@rightline{#1}\else\bidi@orig@le
26318 \DeclareRobustCommand\rightline[1]{\ifhmode\ifRTL\bidi@orig@leftline{#1}\else\bidi@orig@ri
26319 \DeclareRobustCommand\bidirlap[1]{\hb@xt@{z}{\ifRTL\hss\fi#1\ifRTL\else\hss\fi}}
26320 \DeclareRobustCommand\bidillap[1]{\hb@xt@{z}{\ifRTL\else\hss\fi#1\ifRTL\hss\fi}}
26321 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
26322 \hangindent \ifRTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
26323 \def\narrower{%
26324 \advance\ifRTL\rightskip\else\leftskip\fi\parindent
26325 \advance\ifRTL\leftskip\else\rightskip\fi\parindent}
26326 \DeclareRobustCommand\underline[1]{%
26327 \relax
26328 \ifmmode\@@underline{#1}%
26329 \else
26330 \ifRTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
26331 \else
26332 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
26333 \ifcompatibility
26334 \let\underline=\underline
26335 \fi
26336 \def\@tabular{%
26337 \leavevmode \hbox \bgroup \ifRTLT\beginR \fi
26338 $\let\@acol\@tabacol
26339 \let\@classz\@tabclassz
26340 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26341 \def\endtabular{\crrc\egroup\ifRTLT\egroup\endR\egroup\fi
26342 \egroup $\ifRTLT\endR\fi\egroup}
26343 \expandafter \let \csname endtabular*\endcsname = \endtabular
26344 \def\@array[#1]#2{%
26345 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
26346 \bgroup
26347 \setbox\@arstrutbox\hbox{%
26348 \vrule \@height\arraystretch\ht\strutbox
26349 \@depth\arraystretch \dp\strutbox
26350 \@width{z}}%
26351 \@mkpream{#2}%
26352 \edef\@preamble{%
26353 \ialign \noexpand\@halignto
26354 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
26355 \let\@startpbox\@@startpbox \let\@endpbox\@@endpbox
26356 \let\@tabularnewline\\%
26357 \let\par\empty
26358 \let\@sharp##%
26359 \set@typeset@protect

```



```

26360 \lineskip\z@skip\baselineskip\z@skip
26361 \ifhmode \@preamerr\z@ \@par\fi
26362 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
26363 \@preamble}
26364 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
26365 \let\@classiv\@arrayclassiv
26366 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
26367 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
26368 \ifnum \@lastchclass=3 5 \else
26369 \z@ \if #1c\@chnum \z@ \else
26370 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
26371 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
26372 \@chclass \if #1|\@ne \else
26373 \if #1@ \tw@ \else
26374 \if #1p3 \else \z@ \@preamerr 0\fi
26375 \fi \fi \fi \fi \fi \fi
26376 \fi}
26377 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
26378 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
26379 \def\bm@t{\unhbox\@tempboxa\hss}
26380 \def\bm@b{\hss\unhbox\@tempboxa}
26381 \def\@dottedtocline#1#2#3#4#5{%
26382 \ifnum #1>\c@tocdepth \else
26383 \vskip \z@ \@plus.2\p@
26384 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm
26385 \parindent #2\relax\@afterindenttrue
26386 \interlinepenalty\@M
26387 \leavevmode
26388 \@tempdima #3\relax
26389 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rig
26390 {#4}\nobreak
26391 \leaders\hbox{$\m@th
26392 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
26393 mu$}\hfill
26394 \nobreak
26395 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
26396 \par}%
26397 \fi}
26398
26399 \newcount\@bidi@column@check@number
26400
26401 \def\@bidi@column@status#1{\gdef\@bidi@current@column@status{#1}}
26402
26403 \def\@bidi@set@column@status#1#2{%
26404 \global\expandafter\let\csname #1\endcsname\@bidi@current@column@status}
26405
26406 \if@twocolumn
26407 \newcommand\DetectColumn[3][1]{%
26408 \ifx\@bidi@firstcolumn@status@write\relax
26409 \PackageError{bidi}%
26410 {Option 'DetectColumn' not selected}%
26411 {\string\DetectColumn\space
26412 requires the use of the 'DetectColumn'
26413 option on the package}%

```



```

26414 \fi
26415 \global\advance\bidicolumn@check@number\@ne
26416 \edef\bidicolumn@type{\expandafter\ifx
26417     \csname bidicolumn-\the\bidicolumn@check@number\endcsname\relax
26418     0\else
26419     \csname bidicolumn-\the\bidicolumn@check@number\endcsname
26420     \fi}%
26421 \ifcase \bidicolumn@type\relax
26422     \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
26423     \or
26424         #2% % 1 First column
26425     \or
26426         #3% % 2 Second (Last column)
26427     \else
26428         \ERROR
26429     \fi
26430 \edef\next{\write\@auxout
26431     {\string\bidicolumn@status{\bidicolumn-\the\bidicolumn@check@number}%
26432         {\bidicolumn@type}}}%
26433 \next
26434 }
26435
26436 \AtEndDocument{\def\bidicolumn@status#1#2{%
26437     \ifnum #2=\bidicolumn@current@column@status\else
26438         \@tempwatrue
26439     \fi}%
26440 }
26441 \fi
26442
26443 \def\RTL@outputdblcol{%
26444     \if@firstcolumn
26445         \global\@firstcolumnfalse
26446         \global\setbox\@leftcolumn\copy\@outputbox
26447         \splitmaxdepth\maxdimen
26448         \vbadness\maxdimen
26449         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26450         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26451         \toks@\expandafter{\topmark}%
26452         \xdef\@firstcoltopmark{\the\toks@}%
26453         \toks@\expandafter{\splitfirstmark}%
26454         \xdef\@firstcolfirstmark{\the\toks@}%
26455         \ifx\@firstcolfirstmark\@empty
26456             \global\let\@setmarks\relax
26457         \else
26458             \gdef\@setmarks{%
26459                 \let\firstmark\@firstcolfirstmark
26460                 \let\topmark\@firstcoltopmark}%
26461         \fi
26462     \else
26463         \global\@firstcolumntrue
26464         \setbox\@outputbox\vbox{%
26465             \hb@xt@\textwidth{%
26466                 \hskip \columnwidth
26467                 \hfil

```



```

26468      {\normalcolor\vrule \@width\columnseprule}%
26469      \hfil
26470      \hb@xt@\columnwidth{%
26471      \bidi@firstcolumn@status@write%
26472      \box\@leftcolumn \hss}%
26473      \hskip -\textwidth
26474      \hb@xt@\columnwidth{%
26475      \bidi@lastcolumn@status@write%
26476      \box\@outputbox \hss}%
26477      \hskip \columnsep
26478      \hskip \columnwidth }}%
26479 \@@combinedblfloats
26480 \@@setmarks
26481 \@@outputpage
26482 \begin@group
26483 \@@dblfloatplacement
26484 \@@startdblcolumn
26485 \@@whilesw@if@fcolmade \fi{\@@outputpage
26486 \@@startdblcolumn}%
26487 \end@group
26488 \fi}%
26489
26490 \def\LTR@outputdblcol{%
26491 \if@firstcolumn
26492 \global\@firstcolumnfalse
26493 \global\setbox\@leftcolumn\copy\@outputbox
26494 \splitmaxdepth\maxdimen
26495 \vbadness\maxdimen
26496 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26497 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26498 \toks@\expandafter{\topmark}%
26499 \xdef\@firstcoltopmark{\the\toks@}%
26500 \toks@\expandafter{\splitfirstmark}%
26501 \xdef\@firstcolfirstmark{\the\toks@}%
26502 \ifx\@firstcolfirstmark\@empty
26503 \global\let\@@setmarks\relax
26504 \else
26505 \gdef\@@setmarks{%
26506 \let\firstmark\@firstcolfirstmark
26507 \let\topmark\@firstcoltopmark}%
26508 \fi
26509 \else
26510 \global\@firstcolumntrue
26511 \setbox\@outputbox\vbox{%
26512 \hb@xt@\textwidth{%
26513 \hb@xt@\columnwidth{%
26514 \bidi@firstcolumn@status@write%
26515 \box\@leftcolumn \hss}%
26516 \hfil
26517 {\normalcolor\vrule \@width\columnseprule}%
26518 \hfil
26519 \hb@xt@\columnwidth{%
26520 \bidi@lastcolumn@status@write%
26521 \box\@outputbox \hss}}}%

```



```

26522 \@combinedblfloats
26523 \@setmarks
26524 \@outputpage
26525 \begingroup
26526 \@dblfloatplacement
26527 \@startdblcolumn
26528 \@whiles\if@fcolmade \fi{\@outputpage
26529 \@startdblcolumn}%
26530 \endgroup
26531 \fi}%
26532
26533
26534 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
26535 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
26536 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
26537
26538 \bidi@patchcmd\@makecol{%
26539 \ifvoid\footins
26540 \setbox\@outputbox \box\@cclv
26541 \else
26542 \setbox\@outputbox \vbox {%
26543 \boxmaxdepth \@maxdepth
26544 \unvbox \@cclv
26545 \vskip \skip\footins
26546 \color@begingroup
26547 \normalcolor
26548 \footnoterule
26549 \unvbox \footins
26550 \color@endgroup
26551 }%
26552 \fi
26553 }{%
26554 \ifvoid\footins
26555 \ifvoid\@bidi@copyins@
26556 \setbox\@outputbox \box\@cclv
26557 \else
26558 \setbox\@outputbox \vbox {%
26559 \boxmaxdepth \@maxdepth
26560 \unvbox \@cclv
26561 \vskip \skip\@bidi@copyins@
26562 \color@begingroup
26563 \normalcolor
26564 \unvbox \@bidi@copyins@
26565 \color@endgroup
26566 }%
26567 \fi
26568 \else
26569 \setbox\@outputbox \vbox {%
26570 \boxmaxdepth \@maxdepth
26571 \unvbox \@cclv
26572 \vskip \skip\footins
26573 \color@begingroup
26574 \normalcolor
26575 \footnoterule

```



```

26576         \unvbox \footins
26577     \color@endgroup
26578     \ifvoid\@bidi@copyins@
26579     \else
26580         \vskip \skip\@bidi@copyins@
26581         \color@begingroup
26582             \normalcolor
26583             \unvbox \@bidi@copyins@
26584         \color@endgroup
26585     \fi
26586 }%
26587 \fi
26588 }{}{}
26589
26590 \def\LTRmarginpar{%
26591     \ifhmode
26592         \@bsphack
26593         \@floatpenalty -\@Mii
26594     \else
26595         \@floatpenalty-\@Miii
26596     \fi
26597     \ifinner
26598         \@parmoderr
26599         \@floatpenalty\z@
26600     \else
26601         \@next\@currbox\@freelist{}{}%
26602         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26603         {\@floatpenalty\z@
26604         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
26605     \fi
26606     \@ifnextchar [\@LTRxmpar\@LTRympar}
26607 \long\def\@LTRxmpar[#1]#2{%
26608     \@LTRsavemarbox\@marbox{#1}%
26609     \@LTRsavemarbox\@currbox{#2}%
26610     \@xympar}
26611 \long\def\@LTRympar#1{%
26612     \@LTRsavemarbox\@marbox{#1}%
26613     \global\setbox\@currbox\copy\@marbox
26614     \@xympar}
26615 \long\def \@LTRsavemarbox #1#2{%
26616     \global\setbox #1%
26617     \color@vbox
26618     \vtop{%
26619         \hsize\marginparwidth
26620         \@parboxrestore
26621         \@LTRmarginparreset
26622         #2%
26623         \@minipagefalse
26624         \outer@nobreak
26625     }%
26626     \color@endbox
26627 }
26628 \def \@LTRmarginparreset {%
26629     \reset@font

```



```

26630      \normalsize
26631      \@minipagetrue
26632      \everypar{\@minipagefalse\everypar{}\beginL}%
26633 }
26634 \def\RTLmarginpar{%
26635   \ifhmode
26636     \@bsphack
26637     \@floatpenalty -\@Mii
26638   \else
26639     \@floatpenalty-\@Miii
26640   \fi
26641   \ifinner
26642     \@parmoderr
26643     \@floatpenalty\z@
26644   \else
26645     \@next\@currbox\@freelist{}\{}%
26646     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26647     {\@floatpenalty\z@
26648       \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
26649   \fi
26650   \@ifnextchar [\@RTLxmpar\@RTLympar}
26651 \long\def\@RTLxmpar[#1]#2{%
26652   \@RTLSavemarbox\@marbox{#1}%
26653   \@RTLSavemarbox\@currbox{#2}%
26654   \@xympar}
26655 \long\def\@RTLympar#1{%
26656   \@RTLSavemarbox\@marbox{#1}%
26657   \global\setbox\@currbox\copy\@marbox
26658   \@xympar}
26659 \long\def \@RTLSavemarbox #1#2{%
26660   \global\setbox #1%
26661     \color@vbox
26662     \vtop{%
26663       \hsize\marginparwidth
26664       \@parboxrestore
26665       \@RTLmarginparreset
26666       #2%
26667       \@minipagefalse
26668       \outer@nobreak
26669     }%
26670   \color@endbox
26671 }
26672 \def \@RTLmarginparreset {%
26673   \reset@font
26674   \normalsize
26675   \@minipagetrue
26676   \everypar{\@minipagefalse\everypar{}\beginR}%
26677 }
26678 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
26679   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
26680   \if@twocolumn
26681     \if@firstcolumn \@tempcnta\m@ne \fi
26682   \else
26683     \if@mparswitch

```



```

26684         \ifodd\c@page \else\@tempcnta\m@ne \fi
26685     \fi
26686     \if@reversemargin \@tempcnta -\@tempcnta \fi
26687 \fi
26688 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
26689 \@tempdima\@mparbottom
26690 \advance\@tempdima -\@pageht
26691 \advance\@tempdima\ht\@marbox
26692 \ifdim\@tempdima >\z@
26693     \latex@warning@no@line {Marginpar on page \thepage\space moved}%
26694 \else
26695     \@tempdima\z@
26696 \fi
26697 \global\@mparbottom\@pageht
26698 \global\advance\@mparbottom\@tempdima
26699 \global\advance\@mparbottom\dp\@marbox
26700 \global\advance\@mparbottom\marginparpush
26701 \advance\@tempdima -\ht\@marbox
26702 \global\setbox \@marbox
26703         \vbox {\vskip \@tempdima
26704                 \box \@marbox}%
26705 \global \ht\@marbox \z@
26706 \global \dp\@marbox \z@
26707 \kern -\@pagedp
26708 \nointerlineskip
26709 \hb@xt@\columnwidth
26710     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
26711         \hskip\columnwidth \hskip\marginparsep
26712     \else
26713         \hskip -\marginparsep \hskip -\marginparwidth
26714     \fi
26715     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\fi\else\if@LTRmarginpar\endL\fi}
26716 \nointerlineskip
26717 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
26718 \long\def\@ympar#1{%
26719     \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar\@RTLtrue\fi\else\if@LTRmarginpar\@LTRfalse\fi}%
26720     \global\setbox\@currbox\copy\@marbox
26721     \@xympar}
26722 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
26723 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
26724 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
26725 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse}
26726 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
26727 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
26728     \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
26729     \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
26730     \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
26731 \fi}
26732
26733 \newcommand*{\bidi@font@outputpage}{%
26734
26735 \def\@outputpage{%
26736 \begingroup           % the \endgroup is put in by \aftergroup
26737 \let \protect \noexpand

```



```

26738 \@resetactivechars
26739 \global\let\@ifnewlist\ifnewlist
26740 \global\@newlistfalse
26741 \@parboxrestore
26742 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
26743 \bidi@beforeoutputpageshipouthook
26744 \shipout \vbox{%
26745   \set@typeset@protect
26746   \aftergroup \endgroup
26747   \aftergroup \set@typeset@protect
26748                                     % correct? or just restore by ending
26749                                     % the group?
26750 \if@specialpage
26751   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
26752 \fi
26753 \if@twoside
26754   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
26755   \if@RTLmain
26756     \let\@themargin\evensidemargin
26757   \else
26758     \let\@themargin\oddsidemargin
26759   \fi
26760 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
26761   \if@RTLmain
26762     \let\@themargin\oddsidemargin
26763   \else
26764     \let\@themargin\evensidemargin
26765   \fi
26766 \fi
26767 \ifx\@thehead\@empty \let\@thehead\hfil \fi
26768 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
26769 \else %% not @twoside
26770 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
26771 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
26772 \fi
26773 \reset@font
26774 \normalsize
26775 \bidi@font@@outputpage
26776 \normalsfcodes
26777 \let\label\@gobble
26778 \let\index\@gobble
26779 \let\glossary\@gobble
26780 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
26781 \@begindvi
26782 \vskip \topmargin
26783 \moveright\@themargin \vbox {%
26784   \global\let\@bidi@BeforeHeader\@firstofone
26785   \bidi@beforeheaderhook
26786   \setbox\@tempboxa \vbox to\headheight{%
26787     \vfil
26788     \color@hbox
26789     \normalcolor
26790     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\i
26791     \color@endbox

```



```

26792      }%                               %% 22 Feb 87
26793      \dp\@tempboxa \z@
26794      \box\@tempboxa
26795      \vskip \headsep
26796      \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
26797      \bidi@beforeoutputboxoutputpagehook
26798      \box\@outputbox
26799      \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
26800      \bidi@afteroutputboxoutputpagehook
26801      \global\let\@bidi@BeforeFooter\@firstofone
26802      \bidi@beforefooterhook
26803      \baselineskip \footskip
26804      \color@hbox
26805      \normalcolor
26806      \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@
26807      \color@endbox
26808      \global\let\@bidi@AfterFooter\@firstofone
26809      \bidi@afterfooterhook
26810      }%
26811      }%
26812      \global\let\@bidi@AfterOutputPageShipOut\@firstofone
26813      \bidi@afteroutputpageshipouthook
26814      \global\let\if@newlist\@if@newlist
26815      \global \@colht \textheight
26816      \stepcounter{page}%
26817      \let\firstmark\botmark
26818      \global\let\@bidi@AtEndOutputPage\@firstofone
26819      \bidi@atendoutputpagehook
26820  }
26821  \long\def\@makecaption#1#2{%
26822    \vskip\abovecaptionskip
26823    \sbox\@tempboxa{#1: #2}%
26824    \ifdim \wd\@tempboxa >\hsize
26825      \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
26826    \else
26827      \global \@minipagefalse
26828      \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
26829      \fi
26830      \vskip\belowcaptionskip}
26831  \let\@bidi@samed@eqno=\eqno
26832  \let\@bidi@samed@leqno=\leqno
26833  \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@samed@leqno \else \@bidi@samed@eqno \fi}
26834  \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@samed@eqno \else \@bidi@samed@leqno \fi}
26835  \@ifpackageloaded{amsmath}{-}{-}
26836  \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
26837  }
26838  \input{footnote-xetex-bidi.def}
26839  \if@twocolumn
26840    \let\autofootnoterule\relax
26841    \let\leftfootnoterule\relax
26842    \let\rightfootnoterule\relax
26843    \textwidthfootnoterule
26844  \fi
26845  \if@bidi@csundef{\idxitem}{-}{-}%

```



```

26846 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p@}%
26847 }
26848 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
26849 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
26850 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
26851 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
26852 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
26853 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
26854 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
26855 \@ifclassloaded{beamer}{\input{beamer-xetex-bidi.def}}{}
26856 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
26857 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
26858 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
26859 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
26860 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
26861 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
26862 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
26863 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
26864 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
26865 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
26866 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
26867 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
26868 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
26869 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
26870 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
26871 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
26872 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
26873 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
26874 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
26875 \@ifpackageloaded{amsmath}{}%
26876 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
26877 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
26878 }
26879 \@ifpackageloaded{mathtools}{%
26880 \RequirePackage{graphicx}%
26881 \input{mathtools-xetex-bidi.def}%
26882 }{}
26883 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
26884 \@ifpackageloaded{lscape}{\RequirePackage{graphicx}}{}
26885 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
26886 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
26887 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
26888 \@ifpackagewith{algorithm2e}{algonl}{%
26889 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{
26890 }{}
26891 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
26892 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
26893 \@ifpackagewith{algorithm2e}{algosection}{\renewcommand{\algocf@within}{section}}{}
26894 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
26895 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
26896 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
26897 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
26898 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
26899 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}

```



```

26900 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
26901 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
26902 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{}{\input{crop-xetex-bidi.def}}{}{}}
26903 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
26904 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
26905 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
26906 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
26907 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
26908 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{}{\input{float-xetex-bidi.def}}{}{}}
26909 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
26910 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
26911 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
26912 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
26913 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
26914 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
26915 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
26916 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
26917 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
26918 \@ifpackageloaded{lscape}{\input{lscape-xetex-bidi.def}}{}
26919 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
26920 \@ifpackageloaded{footnotebackref}{\input{footnotebackref-xetex-bidi.def}}{}
26921 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
26922 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
26923 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
26924 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
26925 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
26926 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
26927 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
26928 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
26929 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
26930 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
26931 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
26932 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
26933 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
26934 \@ifpackageloaded{pdftex}{\input{pdftex-xetex-bidi.def}}{}
26935 \@ifpackageloaded{pdfscape}{\input{pdfscape-xetex-bidi.def}}{}
26936 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
26937 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
26938 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
26939 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
26940 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
26941 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
26942 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
26943 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
26944 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
26945 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
26946 \@ifpackagewith{sidecap}{innercaption}{%
26947 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
26948 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} \{{#1}\hspace{\sidecaptionsep}{#2}}
26949 \renewcommand*{\SC@justify@caption}{%
26950 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
26951 \renewcommand*{\SC@FLOAT}[2]{%
26952 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} \{{#2}\hspace{\sidecaptionsep}{#1}}
26953 \renewcommand*{\SC@justify@caption}{%

```



```

26954 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
26955 }{}
26956 \@ifpackagewith{sidecap}{rightcaption}{%
26957 \if@RTL\renewcommand*{\SC@FLOAT}[2]{\#{1}\hspace{\sidecaptionsep}{\#2}}
26958 \def\SC@justify@caption{\RaggedLeft}\else%
26959 \renewcommand*{\SC@FLOAT}[2]{\#{2}\hspace{\sidecaptionsep}{\#1}}
26960 \def\SC@justify@caption{\RaggedRight}\fi%
26961 }{}
26962 \@ifpackagewith{sidecap}{leftcaption}{%
26963 \if@RTL \renewcommand*{\SC@FLOAT}[2]{\#{2}\hspace{\sidecaptionsep}{\#1}}
26964 \def\SC@justify@caption{\RaggedRight}\else%
26965 \renewcommand*{\SC@FLOAT}[2]{\#{1}\hspace{\sidecaptionsep}{\#2}}
26966 \def\SC@justify@caption{\RaggedLeft}\fi%
26967 }{}
26968 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
26969 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
26970 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
26971 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
26972 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
26973 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
26974 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
26975 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
26976 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
26977 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
26978 \@ifpackageloaded{nicematrix}{\input{nicematrix-xetex-bidi.def}}{}
26979 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
26980 \@ifpackageloaded{pgfsys}{\input{pgfsys.code-xetex-bidi.def}}{}
26981 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
26982 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
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26991 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
26992 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}
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26995 \@ifpackageloaded{beamerbasecolor}{\input{beamerbasecolor-xetex-bidi.def}}{}
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27003 \@ifpackageloaded{beamerinnerthemedefault}{\input{beamerinnerthemedefault-xetex-bidi.def}}{}
27004 \@ifpackageloaded{beamerinnerthemecircles}{\input{beamerinnerthemecircles-xetex-bidi.def}}{}
27005 \@ifpackageloaded{beamerinnerthemefocus}{\input{beamerinnerthemefocus-xetex-bidi.def}}{}
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27017 \@ifpackageloaded{beamerouterthemeshadow}{\input{beamerouterthemeshadow-xetex-bidi.def}}{
27018 \@ifpackageloaded{beamerouterthemesmoothbars}{\input{beamerouterthemesmoothbars-xetex-bidi.
27019 \@ifpackageloaded{beamerouterthemesmoothtree}{\input{beamerouterthemesmoothtree-xetex-bidi.
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162 File xltextra-xetex-bidi.def

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27026 \let\@@XeLaTeX\XeLaTeX
27027 \def\XeLaTeX{\@ensure@LTR{\@@XeLaTeX}}

```

163 Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

Symbols		
\# 5864, 5910, 6022, 6030	\< 23969	\@@LaTeX .. 26122, 26123
\% 16396	\= .. 16516, 18637, 20593	\@@LaTeXe . 26124, 26125
\' .. 16516, 18637, 20593	\> 23970	\@RTL 20422,
\(..... 18738	\@ 5934	20425, 26116, 26119
\) 18739	\@@ 24148, 24150	\@@Radio .. 17848, 17856
\, 8116, 16779,	\@@@bidi@AfterClass	\@@TeX 20426,
21187, 21230,	..... 6802, 6807	20427, 26120, 26121
25750, 25761, 26167	\@@@bidi@AfterPackage	\@@XeLaTeX 27026, 27027
\- 4287,	..... 6847, 6851	\@@XeTeX .. 27024, 27025
16515, 18636, 20592	\@@H@@footnotetext	\@@array 421
\. 93, 296,	..... 11682, 11697	\@@author .. 8732, 8735, 8738
614, 746, 1009,	\@@H@@mpfootnotetext	\@@bidi@AfterClass
1259, 2627, 4286,	..... 11685, 11703	..... 6801, 6818
9303, 9491, 9803,	\@@HLTR@@LTrfootnotetext	\@@bidi@AfterPackage
11362, 11636,	..... 11683, 11699	..... 6846, 6861
15537, 17909,	\@@HLTR@@mpLTrfootnotetext	\@@bidi@PreventPackageFromLoading
19948, 20755,	..... 11686, 11705	.. 6892, 6894, 6896
21149, 21346,	\@@HRTL@@RTLfootnotetext	\@@bidi@pop .. 6514, 6517,
21549, 22087,	..... 11684, 11701	6518, 6521, 6523
22848, 23613, 24335	\@@HRTL@@mpRTLfootnotetext	\@@bidi@popinto ...
\/ 4605	..... 11687, 11707	.. 6514, 6517, 6518
\: 18780, 18839	\@@LTR 20423,	
	20425, 26117, 26119	



\@clr . 25945, 25950, 25953, 25955, 25956, 25958, 25988, 25993, 25996, 25998, 25999, 26001, 26020	\@tmp 25949, 25950, 25955, 25956, 25958, 25959, 25992, 25993, 25998, 25999, 26001, 26002, 26020, 26021	12863, 13035, 13060, 13090, 13120, 13148, 13162, 13334, 13359, 13389, 13419, 13447, 13461, 13633, 13658, 13688, 13718, 13746, 13760, 13932, 13957, 13987, 14017, 14045, 14059, 14231, 14256, 14286, 14316, 14344, 14358, 14530, 14555, 14585, 14615, 14643, 14657, 14871, 14924, 14974, 15025, 15082, 15113, 15144, 15160
\@cls 25940, 25983	\@underline 26328, 26330, 26332	
\@date 8733, 8736, 8739	\@DEBUGfalse 4885	
\@description . . . 2593	\@EightColLTRfootnotetext 13948, 14030	
\@end 6168, 6169	\@EightColRTLfootnotetext 13949, 14057	
\@endpbox . . 18485, 24045, 24083, 26355	\@EightColfootnotetext 13947, 13984	
\@if@newlist 15857, 15889, 26739, 26814	\@False 9826, 9828	
\@input 6717	\@FiveColLTRfootnotetext 13051, 13133	
\@italiccorr 336, 9847, 18617	\@FiveColRTLfootnotetext 13052, 13160	
\@line 12125, 12128, 21575, 21584, 21622, 21633, 26309, 26310, 26312, 26313, 26315, 26316	\@FiveColfootnotetext 13050, 13087	\@LTRfootnotetext 64, 81, 155, 156, 157, 266, 284, 2339, 2343, 2398, 4741, 4863, 8161, 8244, 8251, 8967, 8978, 9184, 9198, 10812, 10813, 11683, 11698, 11699, 11803, 11880, 11888, 12141, 12440, 12444, 12465, 12727, 12752, 13026, 13051, 13325, 13350, 13624, 13649, 13923, 13948, 14222, 14247, 14521, 14546, 14858, 14911, 14967, 15018, 16112, 16118, 16162, 16188, 16249, 16274, 16280, 17282, 17310, 17389, 17408, 17602, 17606, 17626, 17627, 18542, 18693, 19818, 19820,
\@makecaption 22119, 22183, 22287, 22880, 22944, 23049, 23645, 23709, 23814	\@FourColLTRfootnotetext 12752, 12834	
\@makefnmark 21724, 21760, 21763, 22463, 22500, 22503, 23236, 23273, 23276	\@FourColRTLfootnotetext 12753, 12861	
\@math 9838	\@FourColfootnotetext 12751, 12788	
\@mix 25944, 25987	\@LTRbibitemfalse 26181, 26183	
\@mod . 25945, 25949, 25950, 25953, 25954, 25955, 25958, 25988, 25992, 25993, 25996, 25997, 25998, 26001, 26020	\@LTRbibitemtrue 26182	
\@par 18635, 20591, 21182, 21225, 21735, 21746, 22474, 22486, 23247, 23259, 24260, 24262, 26248, 26361	\@LTRbidituftesidenote@sidenote . . 8232, 8291, 8295	
\@protect 5795	\@LTRbidituftesidenotemarginparreset 7867, 7874	
\@scalebox 20501, 20518	\@LTRbidituftesidenotesavemabox 7854, 7855, 7858, 7861	
\@startpbox 18484, 24045, 24083, 26355	\@LTRbidituftesidenotexmpar 7852, 7853	
\@title 8731, 8734, 8737	\@LTRbidituftesidenoteympar 7852, 7857	
	\@LTRfootgroupv@l . . 11757, 11788, 11960, 12150, 12175, 12205, 12235, 12263, 12277, 12449, 12474, 12503, 12532, 12558, 12571, 12736, 12761, 12791, 12821, 12849,	



19821, 21686,	10885, 10930,	9833, 11351,
21692, 22127,	10937, 11971,	11622, 11743,
22425, 22431,	16135, 16152, 16168	11759, 11805,
22888, 23198,	\@Mi 9838, 18556	11820, 11833,
23204, 23653,	\@Mii 4816,	11845, 12192,
24114, 24131, 24223	7795, 7839, 7883,	12222, 12238,
\@LTRmarginparfalse	10500, 10512,	12253, 12320,
.... 26722, 26724	10525, 26593, 26637	12349, 12362,
\@LTRmarginparreset	\@Miii 4818,	12376, 12491,
.... 26621, 26628	7797, 7841,	12520, 12535,
\@LTRmarginpartrue	7885, 26595, 26639	12549, 12613,
..... 26723	\@NineCollTRfootnotetext	12641, 12653,
\@LTRsavemarbox ...	.... 14247, 14329	12666, 12778,
..... 26608,	\@NineColRTLfootnotetext	12808, 12824,
26609, 26612, 26615	.... 14248, 14356	12839, 12906,
\@LTRxmpar 26606, 26607	\@NineColfootnotetext	12935, 12948,
\@LTRympar 26606, 26611	.... 14246, 14283	12962, 13077,
\@M .. 6, 92, 105, 201,	\@ParaLTRfootnotetext	13107, 13123,
225, 295, 583,	14911, 15018, 15128	13138, 13205,
650, 651, 675,	\@ParaRTLfootnotetext	13234, 13247,
779, 902, 957,	.... 14912, 15158	13261, 13376,
958, 1031, 1151,	\@Parafootnotetext	13406, 13422,
1152, 1158, 1281,	14910, 15016, 15079	13437, 13504,
4668, 4673, 8463,	\@RTL@footnotefalse	13533, 13546,
9224, 9225, 9231,	.. 4213, 15955,	13560, 13675,
9345, 9401, 9402,	16122, 20406,	13705, 13721,
9408, 9522, 9572,	20411, 26084, 26105	13736, 13803,
9767, 9775, 9842,	\@RTL@footnotetrue	13832, 13845,
11329, 11342,	.. 4211, 15955,	13859, 13974,
11599, 11608,	16121, 20408,	14004, 14020,
12125, 12128,	20410, 26094, 26104	14035, 14102,
15503, 15511,	\@RTLbibitemsfalse	14131, 14144,
15830, 17908,	.... 26182, 26183	14158, 14273,
17922, 17946,	\@RTLbibitemstrue 26181	14303, 14319,
19679, 19691,	\@RTLbidityftesidenote@sidenote	14334, 14401,
19703, 20531,	.. 8261, 8292, 8296	14430, 14443,
20653, 20654,	\@RTLbidityftesidenotemarginparreset	14457, 14572,
20678, 20788,	..... 7911, 7918	14602, 14618,
20927, 21050,	\@RTLbidityftesidenotesavemarbox	14633, 14700,
21103, 21104,	..... 7898,	14729, 14742,
21165, 21166,	7899, 7902, 7905	14756, 15315,
21520, 21528,	\@RTLbidityftesidenotexmpar	15340, 15526,
24139, 24246,	..... 7896, 7897	16130, 16163,
24287, 24422,	\@RTLbidityftesidenoteympar	16209, 16224,
24453, 24476,	..... 7896, 7901	17903, 18103,
24493, 24510,	\@RTLfalse 36,	18126, 18130,
24527, 24544,	66, 87, 239,	18137, 18146,
24561, 24579,	268, 290, 600,	18626, 19432,
24598, 24618,	735, 998, 1248,	19939, 20116,
24653, 25036,	1934, 2240, 2274,	20164, 20368,
25566, 25680, 26386	2293, 2325, 2610,	20402, 20406,
\@MM . 41, 55, 71, 244,	4171, 4177, 4195,	20411, 20460,
258, 273, 10810,	5111, 9292, 9480,	20744, 21138,
10831, 10878,	9789, 9808, 9820,	21332, 21535,



22065, 22826,	..... 26652,	14303, 14346,
23591, 24321,	26653, 26656, 26659	14361, 14401,
26042, 26077,	\@RTLtabfalse .. 434,	14430, 14470,
26084, 26105,	4075, 4183,	14484, 14572,
26263, 26281,	20002, 26078,	14602, 14645,
26719, 26790, 26806	26084, 26105,	14660, 14700,
\@RTLfootnotetext 48,	26263, 26281, 26366	14729, 14769,
80, 159, 160,	\@RTLtabtrue	14783, 15304,
161, 251, 283,	... 4074, 4181,	15331, 15526,
2338, 2342,	26069, 26094,	16130, 16147,
2372, 4742, 4864,	26104, 26151,	16194, 16224,
8179, 8273, 8280,	26158, 26272, 26290	17903, 18103,
8968, 8979, 9185,	\@RTLtrue 36,	18126, 18137,
9199, 10833,	50, 87, 239, 253,	18146, 18629,
10834, 11684,	290, 600, 735,	19432, 19939,
11700, 11701,	998, 1248, 2240,	20369, 20394,
11772, 11881,	2257, 2293, 2309,	20408, 20410,
11889, 12142,	2610, 4169, 4175,	20744, 21138,
12167, 12441,	4193, 5111, 9292,	21332, 21535,
12466, 12728,	9480, 9789, 9847,	22065, 22826,
12753, 13027,	9849, 11351,	23591, 24321,
13052, 13326,	11622, 11743,	26043, 26068,
13351, 13625,	11759, 11774,	26094, 26104,
13650, 13924,	11790, 11820,	26272, 26290,
13949, 14223,	11833, 11857,	26719, 26790, 26806
14248, 14522,	11870, 12192,	\@RTLxmpar 26650, 26651
14547, 14859,	12222, 12265,	\@RTLympar 26650, 26655
14912, 14968,	12280, 12320,	\@Reset ... 17881, 17890
15019, 16103,	12349, 12389,	\@SepMark ... 19, 20,
16109, 16146,	12403, 12491,	21, 22, 168, 214,
16187, 16250,	12520, 12560,	215, 216, 217,
16289, 16295,	12574, 12613,	334, 350, 571,
17281, 17299,	12641, 12678,	572, 573, 574,
17374, 17409,	12691, 12778,	728, 729, 730,
17601, 17605,	12808, 12851,	731, 982, 983,
17623, 17624,	12866, 12906,	984, 985, 1241,
18543, 18694,	12935, 12975,	1242, 1243, 1244,
19823, 19825,	12989, 13077,	9318, 9319, 9320,
19826, 21687,	13107, 13150,	9321, 9322, 9324,
21696, 22128,	13165, 13205,	9326, 9328, 9495,
22426, 22435,	13234, 13274,	9496, 9497, 9498,
22889, 23199,	13288, 13376,	9499, 9501, 9503,
23208, 23654,	13406, 13449,	9505, 9746, 9748,
24115, 24132, 24224	13464, 13504,	9750, 9752, 9753,
\@RTLmainfalse 4096,	13533, 13573,	9754, 9755, 9756,
4100, 4383, 4387	13587, 13675,	11462, 11463,
\@RTLmaintrue 4099, 4386	13705, 13748,	11464, 11465,
\@RTLmarginparfalse	13763, 13803,	11578, 11580,
.... 26723, 26724	13832, 13872,	11582, 11584,
\@RTLmarginparreset	13886, 13974,	11585, 11586,
.... 26665, 26672	14004, 14047,	11587, 11588,
\@RTLmarginpartrue	14062, 14102,	15629, 15630,
..... 26722	14131, 14171,	15631, 15632,
\@RTLSavemarbox ...	14185, 14273,	15633, 15635,



15637, 15639,	..... 13648, 13685	\@addtoreset
15797, 15803,	\@SixColLTRfootnotetext	... 332, 15800,
15925, 15927,	..... 13350, 13432	19980, 19986, 19988
15929, 15931,	\@SixColRTLfootnotetext	\@addviper 10263
15932, 15933,	..... 13351, 13459	\@afterheading
15934, 15935,	\@SixColfootnotetext	593, 4651, 4661,
15938, 15940,	..... 13349, 13386	11339, 11347, 18649
15942, 15944,	\@Submit .. 17864, 17873	\@afterindentfalse
15945, 15946,	\@TenColLTRfootnotetext	. 4651, 4661, 18648
15947, 15948,	..... 14546, 14628	\@afterindenttrue .
17959, 17960,	\@TenColRTLfootnotetext	675, 902, 1158,
17961, 17962,	..... 14547, 14655	8462, 9231, 9408,
18163, 19319,	\@TenColfootnotetext	19678, 19690,
19321, 19323,	..... 14545, 14582	19702, 20678,
19325, 19327,	\@TextField 17832, 17840	21050, 24421,
19328, 19330,	\@ThreeColLTRfootnotetext	24452, 24475,
19331, 19332,	..... 12465, 12544	24492, 24509,
19982, 19990,	\@ThreeColRTLfootnotetext	24526, 24543,
19992, 20759,	..... 12466, 12569	24560, 24578,
20760, 20761,	\@ThreeColfootnotetext	24597, 24617,
20762, 20763,	..... 12464, 12500	24652, 25035,
20765, 20767,	\@True . 9821, 9827, 9859	25559, 25679, 26385
20769, 21124,	\@TwoColLTRfootnotetext	\@algocf@finish ... 179
21125, 21126,	..... 12166, 12248	\@algocf@start 171
21127, 21128,	\@TwoColRTLfootnotetext	\@ampacol ... 1463, 1471
21130, 21132,	..... 12167, 12275	\@arabic 168,
21134, 21319,	\@TwoColfootnotetext	571, 572, 573,
21321, 21323,	..... 12165, 12202	574, 602, 609,
21324, 21325,	\@Undottedtocline 19686	728, 729, 730,
21326, 21327,	\@Undottedtoclinep	731, 737, 744,
21328, 21501,	..... 19698	982, 983, 984,
21503, 21505,	\@acci 16516, 18637, 20593	985, 1000, 1007,
21507, 21508,	\@accii 16516, 18637, 20593	1241, 1242, 1243,
21509, 21510,	\@acciii 16516, 18637, 20593	1244, 1250, 1257,
21511, 22039,	\@acol 1465,	2612, 2621, 5123,
22040, 22042,	1473, 4750,	9294, 9301, 9318,
22044, 22046,	18481, 24029,	9319, 9320, 9321,
22778, 22781,	26160, 26338, 26364	9322, 9324, 9326,
22783, 22787,	\@acolampacol . 1463,	9328, 9482, 9489,
22789, 22791,	1465, 1471, 1473	9495, 9496, 9497,
22793, 22796,	\@addamp 1464, 1472	9498, 9499, 9501,
22799, 22803,	\@addfield 26728	9503, 9505, 9746,
22805, 23551,	\@addmarginpar .. 26678	9748, 9750, 9751,
23553, 23556,	\@address 5003, 10667,	9752, 9753, 9754,
23558, 23560,	10668, 10765, 10767	9755, 9756, 9791,
23562, 23565,	\@addresscolour 4972,	9798, 11353,
23568, 23571,	4989, 10666, 10764	11360, 11462,
24396, 24640,	\@addtofilelist .. 6716	11463, 11464,
26178, 26180, 26889	\@addtopreamble ...	11465, 11578,
\@SevenColLTRfootnotetext	.. 1436, 1499, 9920	11580, 11582,
..... 13649, 13731		11583, 11584,
\@SevenColRTLfootnotetext		11585, 11586,
..... 13650, 13758		11587, 11588,
\@SevenColfootnotetext		11624, 11631,



15528,	15535,	\@array ... 388, 1398,	22752, 23381, 23525
15629,	15630,	1399, 24066, 26344	\@auxout . 4231, 4235,
15631,	15632,	\@arrayacol 26364	5166, 5531, 5559,
15633,	15635,	\@arrayclassiv .. 26365	5585, 5613, 5639,
15637,	15639,	\@arrayclassz	5642, 5676, 5679,
15925,	15927,	1463, 24070, 26364	9131, 12029, 26430
15929,	15930,	\@arraycr	\@badmath . 15762, 15776
15931,	15932,	. 415, 18490, 26366	\@begin@tempboxa ..
15933,	15934,	\@arrayleft 408	..... 16792,
15935,	15938,	\@arrayparboxrestore	16888, 16895, 26248
15940,	15942,	1965, 18545, 20588	\@begin@vdi 15828, 26781
15943,	15944,	\@arrayright 429	\@begin@parpenalty .
15945,	15946,	\@arrayrule .. 1418,	..... 4664,
15947,	15948,	1419, 1420,	4673, 15765, 15779
18163,	18165,	1456, 1457, 1458	\@bib@break
19319,	19321,	\@arstdepth	22060, 22821, 23586
19323,	19325,	24063, 24068, 24086	\@biblabel . 89, 292,
19327,	19330,	\@arstheight	602, 603, 737,
19331,	19332,	.... 24068, 24086	738, 1000, 1001,
20746,	20753,	\@arstrut 402,	1250, 1251, 2612,
20759,	20760,	18504, 24044, 26354	2613, 9294, 9295,
20761,	20762,	\@arstrutbox .. 391,	9482, 9483, 9791,
20763,	20765,	18492, 18546,	9792, 11353,
20767,	20769,	24037, 24078,	11354, 11624,
21124,	21125,	24082, 24086, 26347	11625, 15528,
21126,	21127,	\@author 453, 467, 503,	15529, 17905,
21128,	21130,	524, 790, 792,	19941, 20746,
21132,	21134,	810, 855, 874,	20747, 21140,
21140,	21147,	1042, 1044, 1062,	21141, 21334,
21319,	21321,	1107, 1126, 1292,	21335, 21537,
21323,	21324,	1294, 1312, 1357,	21538, 22068,
21325,	21326,	1377, 1388, 4504,	22070, 22829,
21327,	21328,	8664, 8666, 8735,	22831, 23594,
21334,	21341,	9356, 9358, 9376,	23596, 24323, 24324
21501,	21503,	9533, 9535, 9553,	\@bibsetup 19941
21505,	21506,	9628, 9642, 9678,	\@bibtitlestyle ...
21507,	21508,	9699, 11389,	... 84, 287, 17900
21509,	21510,	11401, 11435,	\@bidi@stpelt
21511,	21537,	11454, 11484,	.. 6236, 6242, 6246
21544,	22040,	11498, 11534,	\@bidi@AfterClass .
22042,	22044,	11555, 15556,	..... 6802,
22046,	22068,	15568, 15602,	6823, 6828, 6835
22084,	22785,	15621, 19288,	\@bidi@AfterPackage
22787,	22789,	20799, 20801,	..... 6847,
22791,	22793,	20819, 20864,	6866, 6870, 6877
22796,	22799,	20883, 20938,	\@bidi@EqualStringX
22807,	22829,	20940, 20960,	.. 6301, 6302, 6303
22845,	23554,	21007, 21029,	\@bidi@PreventPackageFromLoading
23556,	23558,	21040, 21196,	.. 6887, 6888, 6890
23560,	23562,	21210, 21251,	\@bidi@UnPreventPackageFromLoading
23565,	23568,	21272, 21383,	.. 6979, 6980, 6983
23572,	23594,	21397, 21433,	\@bidi@after@Hy@hyperfootnotes
23610, 24323, 24330		21454, 21868,	..... 11692,
\@argdef	5755	22012, 22608,	11893, 12154,



12179, 12453,	\@bidi@envbody	5214, 4323, 4434, 4445
12478, 12740,	5216, 5218, 5219,	\@bidi@pdfencryptfalse
12765, 13039,	5220, 5240,	..... 4300
13064, 13338,	5242, 5243, 5244	\@bidi@pdfencrypttrue
13363, 13637,	\@bidi@fi 6382, 6383,	..... 4302, 4305
13662, 13936,	6384, 6385, 6389,	\@bidi@pdfm@markfalse
13961, 14235,	6390, 6394, 6395,	..... 4253, 4450
14260, 14534,	6399, 6400, 6405,	\@bidi@pdfm@marktrue
14559, 14876,	6406, 6410, 6411	..... 4251, 4449
14929, 14983, 15034	\@bidi@finalfootnoteperpagefalse	\@bidi@pdfproducer
\@bidi@append@to@csl	..... 12049	..... 4088,
.. 6448, 6452, 6462	\@bidi@finalfootnoteperpagetrue	4321, 4431, 4443
\@bidi@append@to@list	..... 12047	\@bidi@perpage@footnotefalse
... 6452, 6455,	\@bidi@ifnxtc .....	..... 4263
6458, 6465, 6473	.. 6349, 6352, 6353	\@bidi@perpage@footnotetrue
\@bidi@before@hyperfootnotes	\@bidi@info .. 4009,	..... 4261
..... 11678,	4036, 4038,	\@bidi@prepend@to@csl
11886, 12139,	4337, 4364, 4366	... 6450, 6453,
12164, 12438,	\@bidi@inslogo@ 4115,	6464, 6506, 6508
12463, 12725,	4244, 4246,	\@bidi@prepend@to@list
12750, 13024,	4402, 4427, 4452	... 6453, 6456,
13049, 13323,	\@bidi@list@minipage@parbox@not@nobtrue	6460, 6466, 6474
13348, 13622,	.... 16238, 26236	\@bidi@removefromreset
13647, 13921,	\@bidi@list@minipage@parboxfalse	.. 5364, 5365, 5367
13946, 14220,	..... 1929, 24233	\@bidi@replacefilewithext
14245, 14519,	\@bidi@list@minipage@parboxtrue	.. 6764, 6768, 6771
14544, 14856,	16239, 26240, 26243	\@bidi@saveprimitive
14909, 14961, 15012	\@bidi@logo .. 4131,	..... 5202
\@bidi@copy@stacktop	4150, 4410, 4426	\@bidi@stepcounter
..... 6520, 6523	\@bidi@logo@ . 4115,	..... 6235, 6241
\@bidi@copyins@ 4111,	4147, 4246,	\@bidi@tabular@RTLcases
4112, 4113, 4114,	4402, 4426, 4427	26149, 26151, 26158
4115, 4398, 4399,	\@bidi@logo@hb@xt@	\@bidi@todonotes@align
4400, 4401,	..... 4403, 4426	..... 25726,
4402, 11961,	\@bidi@logo@hb@xt@columnwidth	25727, 25759,
16544, 16545,	..... 4116, 4148	25800, 25803,
16546, 16547,	\@bidi@lst@makecaption	25806, 25809,
16557, 16558,	..... 18100,	25834, 25839, 25840
16606, 16607,	18116, 18117,	\@bidi@todonotes@figposition@rightfalse
16663, 16664,	18148, 18149,	..... 25741
16665, 16666,	18150, 18154, 18156	\@bidi@todonotes@figposition@righttrue
16683, 16684,	\@bidi@mdf@RTLtrue	..... 25739
16702, 16711,	..... 18625	\@bidi@todonotes@textdirection
16723, 16729,	\@bidi@orig@XeLaTeX	. 25728, 25732,
16733, 16745,	.... 26143, 26144	25735, 25839, 25840
16747, 16750,	\@bidi@orig@XeTeX .	\@bidi@todonotes@textdirection@RTLfalse
16781, 19848,	.... 26136, 26137	..... 25734
19849, 19857,	\@bidi@patch@AfterPackage	\@bidi@todonotes@textdirection@RTLtrue
20435, 20437,	..... 7172, 7175	..... 25731
20438, 26555,	\@bidi@pdfcreator .	\@bidi@unreplacefilewithext
26561, 26564,	..... 4085,	.. 6773, 6779, 6782
26578, 26580, 26583	4320, 4428, 4442	\@bidi@ww
\@bidi@emptytoks ..	\@bidi@pdfcustomproperties	..... 6431
.. 5215, 5220, 5244	..... 4091,	\@bidi@ww
		..... 6425



\@bidideclaredcolor 9972, 9979, 25980, 26009	\@bidituftefloat@fps 7410, 7425	7928, 7931, 7934
\@bidituftefloat@caption 7400, 7433	\@bidituftefloat@fullwidth 7340, 7346, 7347, 7348, 7448	\@bidituftesidenote@LTRmarginnote@font .. 7931, 7940, 8312
\@bidituftefloat@caption@box 7392, 7457, 7468, 7469, 7492, 7727, 7732	\@bidituftefloat@justification@normal@cite 7308	\@bidituftesidenote@LTRsidenote@font 7928, 7937
\@bidituftefloat@caption@fill 7341, 7350, 7351, 7732	\@bidituftefloat@justification@normal@cite 7248, 7378	\@bidituftesidenote@RTLcitation@font 7935, 7944
\@bidituftefloat@caption@font 7306, 7307, 7361, 7558, 7729, 7735, 7748	\@bidituftefloat@label 7407, 7434	\@bidituftesidenote@RTLmarginfont 7926, 7929, 7932, 7935
\@bidituftefloat@caption@justification .. 7248, 7364, 7558	\@bidituftefloat@margin@floatbox .. 7356, 7359, 7370	\@bidituftesidenote@RTLmarginnote@font 7929, 7938
\@bidituftefloat@caption@vertical@offset 7395, 7396, 7404, 7468, 7469, 7496	\@bidituftefloat@margin@par 7278, 7365	\@bidituftesidenote@RTLsidenote@font 7929, 7938
\@bidituftefloat@caption@overhang 7339, 7343, 7344, 7542, 7543, 7582, 7583	\@bidituftefloat@margin@font 7305, 7306	\@bidituftesidenote@add@citation 8068, 8101
\@bidituftefloat@caption@pkgname .. 7223, 7224, 7226	\@bidituftefloat@orig@caption .. 7431, 7459, 7489	\@bidituftesidenote@check@multiple@sidenotes 8126, 8134
\@bidituftefloat@caption@stored@caption 7398, 7405, 7459, 7494	\@bidituftefloat@orig@endfloat .. 7394, 7472, 7723	\@bidituftesidenote@citation@font .. 7933, 7942, 8014, 8052, 8080
\@bidituftefloat@caption@stored@label 7399, 7408, 7460, 7476, 7478, 7495	\@bidituftefloat@orig@float .. 7393, 7446, 7722	\@bidituftesidenote@citation@justification 7947, 8081
\@bidituftefloat@caption@stored@shortcaption 7397, 7402, 7403, 7459, 7493	\@bidituftefloat@orig@label .. 7432, 7440, 7460, 7490	\@bidituftesidenote@citations 8067, 8069, 8070, 8072, 8077, 8086, 8205, 8234, 8263, 8302, 8311, 8320
\@bidituftefloat@caption@stored@shortcaption 7397, 7402, 7403, 7459, 7493	\@bidituftefloat@orig@label .. 7432, 7440, 7460, 7490	\@bidituftesidenote@infootnote@cite 8100, 8204, 8233, 8262, 8301, 8310, 8319
\@bidituftefloat@caption@stored@shortcaption 7397, 7402, 7403, 7459, 7493	\@bidituftefloat@orig@label .. 7432, 7440, 7460, 7490	\@bidituftesidenote@justification@autodetect 7945, 7946, 7947, 7948
\@bidituftefloat@caption@stored@shortcaption 7397, 7402, 7403, 7459, 7493	\@bidituftefloat@orig@label .. 7432, 7440, 7460, 7490	\@bidituftesidenote@margin@par .. 7949, 8082, 8149, 8167, 8185,
\@bidituftefloat@caption@stored@shortcaption 7397, 7402, 7403, 7459, 7493	\@bidituftefloat@orig@label .. 7432, 7440, 7460, 7490	\@bidituftesidenote@margin@font 7924, 7925, 7930, 7933
\@bidituftefloat@caption@stored@shortcaption 7397, 7402, 7403, 7459, 7493	\@bidituftefloat@orig@label .. 7432, 7440, 7460, 7490	\@bidituftesidenote@marginnote@font .. 7930, 7939, 8303
\@bidituftefloat@caption@stored@shortcaption 7397, 7402, 7403, 7459, 7493	\@bidituftefloat@orig@label .. 7432, 7440, 7460, 7490	\@bidituftesidenote@marginnote@justification 7946, 8303, 8312, 8321
\@bidituftefloat@caption@stored@shortcaption 7397, 7402, 7403, 7459, 7493	\@bidituftefloat@orig@label .. 7432, 7440, 7460, 7490	\@bidituftesidenote@normal@cite .. 8008, 8105, 8285, 8254, 8283,
\@bidituftefloat@caption@stored@shortcaption 7397, 7402, 7403, 7459, 7493	\@bidituftefloat@orig@label .. 7432, 7440, 7460, 7490	\@bidituftesidenote@normal@cite .. 7934, 7943, 8033
\@bidituftefloat@caption@stored@shortcaption 7397, 7402, 7403, 7459, 7493	\@bidituftefloat@orig@label .. 7432, 7440, 7460, 7490	\@bidituftesidenote@normal@cite .. 8305, 8314, 8323
\@bidituftefloat@caption@stored@shortcaption 7397, 7402, 7403, 7459, 7493	\@bidituftefloat@orig@label .. 7432, 7440, 7460, 7490	\@bidituftesidenote@normal@cite 8074,



8224, 8253, 8282, 8304, 8313, 8322	\@captionabovetrue 22305, 23067, 23832	\@cftdoparttrue 24402, 24406
\@biditytesidenote@sidenote@captionabovetrue .. 8203, 8290, 8294	\@captionabovetrue 22303, 23065, 23830	\@cftl@subfig ... 24590 \@cftl@subtab ... 24610
\@biditytesidenote@sidenote@caption@font 8099	\@caption@font 4755, 4803, 4851, 7362, 19407, 19411, 19414, 21559, 21602, 22210, 22214, 22216, 22217, 22286, 22971, 22975, 22977, 22978, 23048, 23736, 23740, 23742, 23743, 23813	\@chapapp 9567, 9762, 11594, 15499, 21516 \@chapterlistsgap@off 19974 \@chapterlistsgap@on 19981, 19989
\@biditytesidenote@sidenote@justification .. 7945, 8112, 8113	\@justification 22210, 22214, 22216, 22217, 22286, 22971, 22975, 22977, 22978, 23048, 23736, 23740, 23742, 23743, 23813	\@chclass . 352, 364, 375, 1405, 1417, 1430, 1450, 1455, 24167, 24183, 24194, 26367, 26372
\@biditytesidenote@sidenote@vertical@offset ... 8200, 8201, 8207, 8209, 8215, 8222, 8236, 8238, 8244, 8251, 8265, 8267, 8273, 8280	\@vertical@offset 22210, 22214, 22216, 22217, 22286, 22971, 22975, 22977, 22978, 23048, 23736, 23740, 23742, 23743, 23813	\@checkend ... 5233, 5257, 7057, 7058
\@biditytesidenote@trim@b 7978, 7985	\@cclv 10845, 10902, 15371, 15372, 15400, 15410, 16678, 16690, 16724, 16727, 16728, 16738, 16739, 18560, 18565, 18577, 20429, 26540, 26544, 26556, 26560, 26571	\@chnum 353, 360, 371, 1406, 1413, 1426, 1436, 1452, 1453, 1454, 1467, 1475, 1501, 9922, 24168, 24175, 24190, 26369, 26370, 26371
\@biditytesidenote@trim@c .. 7982, 7985, 7990	\@ccm 14884, 14886, 14937, 14939, 14989, 14991, 15040, 15042	\@circlefnt 15658 \@classiv 4752, 18482, 24031, 26162, 26340, 26365
\@biditytesidenote@margin@parreset 7823, 7830	\@ccm 14884, 14886, 14937, 14939, 14989, 14991, 15040, 15042	\@classx 1433, 1492, 9916 \@classz . 1433, 1492, 1526, 1527, 4751, 9916, 18482, 24030, 24070, 26161, 26339, 26364
\@biditytesidenotes@save@margin@box 7810, 7811, 7814, 7817	\@centercr 8536, 20539, 20552, 20565, 24239, 24268, 26299	\@cleartopmattertags 129, 17982
\@biditytesidenote@xmpar 7808, 7809	\@cftasnum .. 24426, 24457, 24480, 24497, 24514, 24531, 24548, 24565, 24583, 24602, 24622, 24657	\@cliptoboxdim .. 24197 \@clsextension 6771, 6782, 6798, 6808, 6817, 6820, 6829
\@biditytesidenote@ympar 7808, 7813	\@cftasnumb . 24427, 24458, 24481, 24498, 24515, 24532, 24549, 24566, 24584, 24603, 24623, 24658	\@clubpenalty 612, 2625, 9801, 11634, 21344, 21547, 24333
\@biditytetoc@lof@line 8455, 8471	\@cftbsnum .. 24425, 24456, 24479, 24496, 24513, 24530, 24547, 24564, 24582, 24601, 24621, 24656	\@colht 10273, 10300, 10301, 10385, 10386, 10402, 10518, 10533, 10534, 10544, 10545, 10552, 10568, 10572, 15361, 15851, 16656,
\@biditytetoc@pkgname 8331, 8332	\@cftbsnumb . 24427, 24458, 24481, 24498, 24515, 24532, 24549, 24566, 24584, 24603, 24623, 24658	
\@bidityundeclaredcolor ... 9972, 9973, 25980, 25981, 26020	\@cftbsnumb . 24427, 24458, 24481, 24498, 24515, 24532, 24549, 24566, 24584, 24603, 24623, 24658	
\@bscontmark ... 19311	\@cftbsnumb . 24427, 24458, 24481, 24498, 24515, 24532, 24549, 24566, 24584, 24603, 24623, 24658	
\@bsmarkseries .. 19292	\@cftbsnumb . 24427, 24458, 24481, 24498, 24515, 24532, 24549, 24566, 24584, 24603, 24623, 24658	
\@bsmttitleempty .. 19280	\@cftbsnumb . 24427, 24458, 24481, 24498, 24515, 24532, 24549, 24566, 24584, 24603, 24623, 24658	
\@bsphack 4815, 7794, 7838, 7882, 26592, 26636	\@cftbsnumb . 24427, 24458, 24481, 24498, 24515, 24532, 24549, 24566, 24584, 24603, 24623, 24658	
\@bsthanksheadpost 19294	\@cftbsnumb . 24427, 24458, 24481, 24498, 24515, 24532, 24549, 24566, 24584, 24603, 24623, 24658	
\@bsthanksheadpre 19294	\@cftbsnumb . 24427, 24458, 24481, 24498, 24515, 24532, 24549, 24566, 24584, 24603, 24623, 24658	
\@caption 7549, 19414, 19417	\@cftbsnumb . 24427, 24458, 24481, 24498, 24515, 24532, 24549, 24566, 24584, 24603, 24623, 24658	



16668, 16669,	\@cons 26678, 26679	2282, 2298, 2314,
16670, 16672,	\@contcshortstyle 19362	2330, 8151, 8169,
16674, 16762,	\@contcstyle	8187, 11749,
18571, 18572,	19367, 19373, 19378	11765, 11780,
19455, 19458,	\@contcwidth	11796, 11811,
19460, 19462,	. . . . 19356, 19357	11824, 11837,
19467, 19468,	\@contdelim	11849, 11861,
19469, 19488,	. 19350, 19361,	11874, 12196,
19489, 19490,	19365, 19372, 19377	12226, 12242,
19494, 19555,	\@contfield	12257, 12269,
19558, 19560,	. . 9148, 9163, 9195	12284, 12324,
19562, 19567,	\@contfinal	12353, 12366,
19568, 19569,	. 19350, 19362,	12380, 12393,
19588, 19589,	19368, 19374, 19378	12407, 12495,
19590, 19594,	\@contfmark 19349, 19352	12524, 12539,
21797, 21814,	\@contfnote 19348, 19351	12553, 12564,
22537, 22554,	\@contindw 19373	12578, 12617,
23310, 23327, 26815	\@contnfont	12645, 12657,
\@colourfalse 4915	. 19350, 19361,	12670, 12682,
\@colourgreenfalse	19365, 19372, 19377	12695, 12782,
. . . . 10585, 10683	\@contpost 19382	12812, 12828,
\@colourgreentrue .	\@contpre . . . 19360,	12843, 12855,
. . . . 10586, 10684	19366, 19371, 19376	12870, 12910,
\@colourgreyfalse .	\@conttfont	12939, 12952,
. . . . 10589, 10687	. 19350, 19362,	12966, 12979,
\@colourgreytrue . .	19368, 19374, 19378	12993, 13081,
. . . . 10590, 10688	\@curfield . . . 9147,	13111, 13127,
\@colourorangefalse	9162, 9182,	13142, 13154,
. . . . 10583, 10681	9196, 9206, 26728	13169, 13209,
\@colourorangetrue	\@curline 9145,	13238, 13251,
. . . . 10584, 10682	9160, 26728, 26730	13265, 13278,
\@colouredfalse . .	\@currbox 4823,	13292, 13380,
. . . . 10587, 10685	4854, 4858, 7759,	13410, 13426,
\@colouredtrue . . .	7762, 7803, 7806,	13441, 13453,
. . . . 10588, 10686	7811, 7815, 7847,	13468, 13508,
\@colourtrue 4914	7850, 7855, 7859,	13537, 13550,
\@colroom . . . 10545,	7891, 7894, 7899,	13564, 13577,
10548, 10550,	7903, 15425,	13591, 13679,
10551, 10845,	26601, 26604,	13709, 13725,
10902, 16656,	26609, 26613,	13740, 13752,
16670, 16673,	26645, 26648,	13767, 13807,
16675, 18571,	26653, 26657,	13836, 13849,
18580, 21798,	26679, 26688, 26720	13863, 13876,
21815, 22538,	\@currentHlabel . . .	13890, 13978,
22555, 23311, 23328	17367, 17382, 17397	14008, 14024,
\@combinedblfloats	\@currentHref	14039, 14051,
. 10185, 10244,	. 17368, 17383,	14066, 14106,
15715, 15751,	17398, 17457,	14135, 14148,
15832, 16589,	17495, 17528,	14162, 14175,
16642, 19519,	17559, 17590,	14189, 14277,
19616, 26479, 26522	17812, 17823, 17825	14307, 14323,
\@combinefloats . . .	\@currentlabel . . 43,	14338, 14350,
. . . . 15356, 16758	57, 73, 246, 260,	14365, 14405,
\@compactenum@ . . . 8518	275, 2248, 2265,	14434, 14447,



14461, 14474,	20948, 20962,	\@ehc 5336,
14488, 14576,	21009, 21032,	5338, 5344, 5346,
14606, 14622,	21041, 21199,	5352, 5354, 5360,
14637, 14649,	21211, 21252,	5362, 5771, 6645,
14664, 14704,	21274, 21386,	18069, 18076,
14733, 14746,	21398, 21434,	18558, 19661, 19667
14760, 14773,	21457, 21873,	\@ehd 19408
14787, 15072,	22013, 22613,	\@eightcol@LTRfootgroupv@l
15103, 15121,	22753, 23386, 23526	. . . . 13932, 13957
15137, 15151,	\@dblarg 19414	\@eightcol@footgroupv@r
15167, 15206,	\@dblfloatplacement	. . . . 13928, 13953
15236, 15250,	. 10189, 10248,	\@eightcol@LTRfootfmt
15265, 15279,	15716, 15755,	. 14027, 14042,
15294, 16137,	15839, 16593,	14082, 14151, 14165
16154, 16170,	16646, 19523,	\@eightcol@LTRfootnotetext
16199, 16214, 16229	19620, 26483, 26526	. . . . 13923, 14020
\@currentlabelname	\@declaredcolor 9957,	\@eightcolRTLfootfmt
. 17369,	9958, 25937, 25960	. 14054, 14069,
17384, 17399,	\@dedication	14085, 14178, 14192
17458, 17496,	. 21915, 21918,	\@eightcolRTLfootnotetext
17529, 17560, 17591	22023, 22655,	. . . . 13924, 14047
\@currenvir . . 5219,	22658, 22763,	\@eightcolfootfmt .
5222, 5223, 5243,	23428, 23431, 23536	. 13981, 14011,
5246, 5247, 5274	\@dedicatory 323	14079, 14109, 14138
\@currentext . . 24850,	\@deferlist 16654	\@eightcolfootnotetext
24962, 25020, 25030	\@definitionfileextension	. . . . 13922, 13968
\@currlist 26678	. . . . . 5288, 5291	\@elt 5366, 5369,
\@curtabmar 26727, 26730	\@depth . . 393, 18494,	7647, 7648, 7649,
\@cvtheme . . . 4995, 4998	24010, 24039,	7650, 7651, 7652,
\@cvthemeoptions . .	24079, 26349, 26717	7653, 7654, 7655,
. 4996, 4998	\@dgroup 9820	7656, 7657, 7658,
\@date 456, 468,	\@dischyp	7688, 7689, 7690,
504, 527, 798,	16515, 18636, 20592	7691, 7692, 7693,
800, 812, 857,	\@displaypagenumbersfalse	7694, 7695, 7696,
877, 1050, 1052,	. . . . . 5094	7697, 7698, 7699,
1064, 1109, 1129,	\@displaypagenumberstrue	7700, 7701, 7702,
1300, 1302, 1314,	. . . . . 5093	7703, 7704, 7705,
1359, 1380, 1389,	\@dmath 9808, 9837	9859, 10811,
4505, 8682, 8736,	\@docclearpage . . . 15440	10832, 10838,
9364, 9366, 9378,	\@doccolbox 15905	10873, 10875,
9541, 9543, 9555,	\@dodynamicthefoot	10877, 10883,
9631, 9643, 9679,	. . . . . 15829	10895, 10925,
9702, 11392,	\@dodynamicthehead	10927, 10929,
11402, 11436,	. . . . . 15829	10935, 24098, 24100
11457, 11487,	\@dofilelist	\@email 5007, 10673, 10771
11499, 11535,	. . 7068, 7069, 7071	\@empty 86, 115,
11558, 11643,	\@dotsep 25577,	134, 136, 289,
11648, 15559,	25578, 25686, 26392	415, 466, 467,
15569, 15603,	\@dottedtocline . . .	468, 469, 502,
15624, 17991,	. 25692, 25693,	503, 504, 505,
17996, 19289,	25695, 25713, 26381	608, 743, 809,
20807, 20809,	\@dseries 9833	810, 811, 812,
20821, 20866,	\@eha 5210, 24644	854, 855, 856,
20886, 20946,		857, 1006, 1061,



1062, 1063, 1064,	15695,	15731,	22014,	22015,
1106, 1107, 1108,	16285,	16367,	22016,	22017,
1109, 1256, 1311,	16567,	16616,	22018,	22019,
1312, 1313, 1314,	16654,	16757,	22020,	22021,
1356, 1357, 1358,	16772,	16773,	22022,	22023,
1359, 1986, 1987,	16774,	16775,	22053,	22083,
2357, 2383, 2409,	16776,	17369,	22108,	22109,
2620, 3066, 3072,	17384,	17399,	22214,	22473,
3078, 3156, 3558,	17458,	17496,	22573,	22574,
3705, 3801, 3896,	17529,	17560,	22581,	22589,
4246, 4427, 4503,	17591,	17902,	22596,	22602,
4504, 4505, 4506,	17968,	17989,	22618,	22624,
4810, 5122, 5131,	18121,	18127,	22637,	22640,
5231, 5255, 6475,	18150,	18154,	22647,	22655,
6884, 6897, 6898,	18156,	18508,	22660,	22675,
6904, 6927, 6957,	18533,	19286,	22682,	22697,
6965, 6984, 6987,	19287,	19288,	22698,	22702,
6998, 7002, 7012,	19289,	19448,	22703,	22711,
7018, 7019, 7020,	19548,	19968,	22712,	22716,
7033, 7045, 7049,	20477,	20752,	22717,	22726,
7116, 7127, 8010,	20818,	20819,	22727,	22731,
8029, 8048, 8069,	20820,	20821,	22732,	22740,
8076, 8664, 8731,	20863,	20864,	22741,	22751,
8732, 8733, 9300,	20865,	20866,	22752,	22753,
9375, 9376, 9377,	20959,	20960,	22754,	22755,
9378, 9488, 9552,	20961,	20962,	22756,	22757,
9553, 9554, 9555,	21006,	21007,	22758,	22759,
9641, 9642, 9643,	21008,	21009,	22760,	22761,
9644, 9677, 9678,	21146,	21209,	22762,	22763,
9679, 9680, 9797,	21210,	21211,	22813,	22844,
9823, 10153,	21212,	21250,	22869,	22870,
10216, 10872,	21251,	21252,	22975,	23246,
10924, 11359,	21253,	21340,	23346,	23347,
11400, 11401,	21396,	21397,	23354,	23362,
11402, 11403,	21398,	21399,	23369,	23375,
11434, 11435,	21432,	21433,	23391,	23397,
11436, 11437,	21434,	21435,	23410,	23413,
11497, 11498,	21543,	21734,	23420,	23428,
11499, 11500,	21833,	21834,	23433,	23448,
11533, 11534,	21841,	21849,	23455,	23470,
11535, 11536,	21856,	21862,	23471,	23475,
11630, 11641,	21878,	21884,	23476,	23484,
11657, 11661,	21897,	21900,	23485,	23489,
15068, 15099,	21907,	21915,	23490,	23499,
15117, 15133,	21920,	21935,	23500,	23504,
15147, 15163,	21942,	21957,	23505,	23513,
15202, 15232,	21958,	21962,	23514,	23524,
15246, 15261,	21963,	21971,	23525,	23526,
15275, 15290,	21972,	21976,	23527,	23528,
15355, 15534,	21977,	21986,	23529,	23530,
15567, 15568,	21987,	21991,	23531,	23532,
15569, 15570,	21992,	22000,	23533,	23534,
15601, 15602,	22001,	22011,	23535,	23536,
15603, 15604,	22012,	22013,	23578,	23609,



23634, 23635,	\@expandtwoargs .. 7003	16567, 16571,
23740, 23968,	\@extrafootnotefeaturesfalse	16615, 16616,
24085, 24133,	..... 4225	16620, 19447,
24329, 24630,	\@extrafootnotefeaturestrue	19448, 19452,
24632, 24985,	..... 4223	19547, 19548,
24991, 25458,	\@extrainfo	19552, 26454,
25940, 25943,	5008, 10674, 10772	26455, 26459,
25983, 25986,	\@extratitle	26501, 26502, 26506
26149, 26357,	. 21833, 21840,	\@firstcoltopmark .
26366, 26455,	21957, 21963,	..... 10150,
26502, 26767,	21971, 21977,	10158, 10213,
26768, 26770, 26771	21986, 21992,	10221, 15692,
\@emptycol .. 10537,	22016, 22573,	15700, 15728,
10540, 10556, 10559	22580, 22697,	15736, 16564,
\@emptytoks 9822	22703, 22711,	16572, 16613,
\@end@tempboxa 16799,	22717, 22726,	16621, 19445,
16893, 16910, 26261	22732, 22756,	19453, 19545,
\@endfloatbox 4875	23346, 23353,	19553, 26452,
\@endmodernpoem ...	23470, 23476,	26460, 26499, 26507
..... 9158, 9178	23484, 23490,	\@firstcolumnfalse
\@endparenv .. 9068,	23499, 23505, 23529	..... 10143,
9175, 20023, 20043	\@familyname . 4940,	10206, 10576,
\@endparpenalty 4668,	4942, 4943, 5001,	15686, 15722,
4677, 15766, 15780	10648, 10738, 10759	15846, 16553,
\@endpbox 1443,	\@familynamecolour	16602, 19438,
1444, 1485, 1509,	..... 4970, 4987	19538, 26445, 26492
1510, 1511, 9930,	\@fax . 5006, 10672, 10770	\@firstcolumntrue .
9931, 9932,	\@fcolmadefalse . 16655	..... 10161,
18479, 18485,	\@ff@do@allframes .	10224, 10531,
24045, 24083, 26355	..... 15831, 15836	15702, 15739,
\@endpetrue 26093, 26103	\@ff@fbox 15914	15810, 16577,
\@endtraditionalpoem	\@ff@setoffset .. 15911	16626, 19497,
..... 9049, 9114	\@ffbackground .. 15901	19597, 26463, 26510
\@ensure@LR 20419, 26113	\@filebordercolor .	\@firstdetailselementfalse
\@ensure@LTR 20417,	.... 17670, 17672	..... 10753
20419, 20427,	\@filecolor 17688	\@firstdetailselementtrue
26111, 26113,	\@filef@und 6717	..... 10750
26121, 26123,	\@finalstrut . 2252,	\@firstfooterelementfalse
26125, 27025, 27027	2269, 2286, 2302,	..... 10669,
\@ensure@RL 20418, 26112	2318, 2334,	10670, 10671,
\@ensure@RTL 20416,	11727, 11733,	10672, 10673, 10674
20418, 26110, 26112	11739, 16142,	\@firstfooterelementtrue
\@ensure@dir 20420,	16159, 16175,	..... 10654
20421, 26114, 26115	16203, 16218, 16233	\@firstname .. 4940,
\@ensure@maindir ..	\@firstampfalse ...	4942, 4943, 5000,
.... 20421, 26115	..... 1465, 1473	10648, 10738, 10759
\@enumctr	\@firstcolfirstmark	\@firstnamecolour .
.. 2558, 8519, 8520	..... 10152,	..... 4969, 4986
\@eqnum	10153, 10157,	\@firstofone
15787, 17985, 26836	10215, 10216,	... 6108, 6115,
\@evenfoot 2148, 2189,	10220, 15694,	6123, 6134, 6148,
4467, 15822, 26760	15695, 15699,	6154, 6164, 6170,
\@evenhead ... 2147,	15730, 15731,	7170, 15859,
2189, 15821, 26760	15735, 16566,	15877, 15881,



15884, 15887,	7894, 26604, 26648	8215, 8222, 8244,
15893, 17794,	\@flushglue	8251, 8273, 8280,
17795, 17796,	. . . 8951, 8952,	9096, 9103, 9110,
17797, 19412,	18642, 21308,	16103, 16109,
22183, 22944,	25038, 25042,	16112, 16118,
23709, 26742,	25046, 25092, 26299	17410, 17599,
26784, 26796,	\@fnsymbol 478,	17603, 17617, 17618
26799, 26801,	773, 832, 1025,	\@footnotetext . . 34,
26808, 26812, 26818	1084, 1275, 1334,	79, 151, 152,
\@firstoftwo . 4042,	4491, 9339, 9516,	153, 237, 282,
4048, 4054, 5375,	9653, 11412,	2337, 2341, 2346,
5383, 5387, 5395,	11509, 15579,	4740, 4862, 8143,
5399, 5407, 5413,	20782, 20841,	8215, 8222, 8966,
5417, 5430, 5438,	20921, 20982,	8977, 9183, 9197,
5444, 5448, 5456,	21178, 21221,	10791, 10792,
5462, 5465, 5468,	21408, 21830,	11682, 11696,
5482, 5489, 5880,	21951, 22570,	11697, 11741,
5898, 5904, 5928,	22691, 23343, 23464	11879, 11887,
5955, 5985, 6048,	\@footgroupv@r 11959,	12140, 12165,
6058, 6708, 19949	12117, 12146,	12439, 12464,
\@fivecolLTRfootgroupv@l	12171, 12207,	12726, 12751,
. . . . 13035, 13060	12233, 12250,	13025, 13050,
\@fivecol@footgroupv@r	12290, 12445,	13324, 13349,
. . . . 13031, 13056	12470, 12505,	13623, 13648,
\@fivecolLTRfootfmt	12530, 12546,	13922, 13947,
. 13130, 13145,	12583, 12732,	14221, 14246,
13185, 13254, 13268	12757, 12793,	14520, 14545,
\@fivecolLTRfootnotetext	12819, 12836,	14857, 14910,
. . . . 13026, 13123	12876, 13031,	14963, 14965,
\@fivecolRTLfootfmt	13056, 13092,	15014, 15016,
. 13157, 13172,	13118, 13135,	16129, 16186,
13188, 13281, 13295	13175, 13330,	16248, 17280,
\@fivecolRTLfootnotetext	13355, 13391,	17288, 17359,
. . . . 13027, 13150	13417, 13434,	17407, 17600,
\@fivecolfootfmt . .	13474, 13629,	17604, 17620,
. 13084, 13114,	13654, 13690,	17621, 18541,
13182, 13212, 13241	13716, 13733,	18692, 19813,
\@fivecolfootnotetext	13773, 13928,	19815, 19816,
. . . . 13025, 13071	13953, 13989,	21685, 21688,
\@float 7393, 7722	14015, 14032,	22126, 22424,
\@floatboxreset . . 4873	14072, 14227,	22427, 22887,
\@floatpenalty	14252, 14288,	23197, 23200,
. . . 4816, 4818,	14314, 14331,	23652, 24113,
4821, 7795, 7797,	14371, 14526,	24130, 24220, 24222
7801, 7805, 7839,	14551, 14587,	\@footstartv@l 11757,
7841, 7845, 7849,	14613, 14630,	11788, 11830,
7883, 7885, 7889,	14670, 14865,	11867, 11960,
7893, 26593,	14918, 15084,	12081, 12205,
26595, 26599,	15111, 15130, 15174	12235, 12263,
26603, 26637,	\@footnote 8613	12277, 12332,
26639, 26643, 26647	\@footnotemark 2360,	12400, 12503,
\@floatplacement 15446	2367, 2386, 2393,	12532, 12558,
\@fltovf 4856,	2412, 2419, 4783,	12571, 12624,
7806, 7850,	4791, 4799, 8122,	12688, 12791,



12821, 12849,	14919, 15084,	23500, 23504, 23530
12863, 12918,	15111, 15130,	\@fs@capt 7736, 7749, 7757
12986, 13090,	15174, 15217, 15258	\@fs@cfont ... 7729, 7735, 7745, 7748, 7756, 15791, 15792
13120, 13148,	\@for 6925, 6986, 6999,	\@fs@iftopcapt 7740, 7753, 7766
13162, 13217,	7021, 7025, 8011,	\@fs@mid 7739, 7752, 7764
13285, 13389,	8016, 8030, 8035,	\@fs@post 7738, 7751, 7765
13419, 13447,	8049, 8054, 8077,	\@fs@pre 7737, 7750, 7758
13461, 13516,	8086, 10121, 24989	\@g@tnextcol ... 15808
13584, 13688,	\@fourcol@LTRfootgroupv@l	\@getcirc 15654
13718, 13746,	.... 12736, 12761	\@gnewline .. 20541, 20554, 20567, 20578
13760, 13815,	\@fourcol@footgroupv@r	\@gobble 4720, 5230, 5254, 5276, 5281, 6011, 6012, 6013, 6014, 6015, 6110, 6125, 6140, 6186, 6200, 6212, 6224, 6914, 7049, 7226, 8786, 8851, 15869, 15870, 15871, 19409, 22125, 22126, 22127, 22128, 22886, 22887, 22888, 22889, 23651, 23652, 23653, 23654, 25944, 25987, 26777, 26778, 26779
13883, 13987,	.... 12732, 12757	\@gobbletwo 2171, 5301, 5302, 5305, 5306, 5316, 5317, 5320, 5321, 5324, 5325, 5328, 5329, 6244, 22129, 22890, 23655
14017, 14045,	\@fourcollTRfootfmt	\@gtempa 5512, 5513
14059, 14114,	. 12831, 12846,	\@halignto 401, 433, 24043, 24081, 26149, 26353, 26366
14182, 14286,	12886, 12955, 12969	\@hangfrom .. 22220, 22250, 22253, 22981, 23011, 23014, 23746, 23776, 23779, 26321
14316, 14344,	\@fourcollTRfootnotetext	\@hboxRconstructfalse 20385, 26059
14358, 14413,	.... 12727, 12824	\@hboxRconstructtrue 417,
14481, 14585,	\@fourcolRTLfootfmt	
14615, 14643,	. 12858, 12873,	
14657, 14712,	12889, 12982, 12996	
14780, 14872,	\@fourcolRTLfootnotetext	
14925, 14975,	.... 12728, 12851	
15026, 15082,	\@fourcolfootfmt ..	
15113, 15144,	. 12785, 12815,	
15160, 15215, 15287	12883, 12913, 12942	
\@footstartv@r 11959,	\@fourcolfootnotetext	
12080, 12207,	.... 12726, 12772	
12233, 12250,	\@fps 4804, 4805,	
12290, 12334,	4807, 4810, 4827	
12373, 12505,	\@fpsadddefault ...	
12530, 12546,	..... 4808, 4811	
12583, 12626,	\@freelist 4823, 7647,	
12663, 12793,	7688, 7803, 7804,	
12819, 12836,	7847, 7848, 7891,	
12876, 12920,	7892, 15354,	
12959, 13092,	16756, 26601,	
13118, 13135,	26602, 26645,	
13175, 13219,	26646, 26678, 26679	
13258, 13391,	\@frontispiece	
13417, 13434,	. 21834, 21837,	
13474, 13518,	21841, 21844,	
13557, 13690,	21958, 21962,	
13716, 13733,	21972, 21976,	
13773, 13817,	21987, 21991,	
13856, 13989,	22017, 22574,	
14015, 14032,	22577, 22581,	
14072, 14116,	22584, 22698,	
14155, 14288,	22702, 22712,	
14314, 14331,	22716, 22727,	
14371, 14415,	22731, 22757,	
14454, 14587,	23347, 23350,	
14613, 14630,	23354, 23357,	
14670, 14714,	23471, 23475,	
14753, 14866,	23485, 23489,	



20375, 24050,	26863, 26864,	26905, 26906,
24089, 26049, 26362	26865, 26866,	26907, 26908,
\@height . . 392, 1523,	26867, 26868,	26909, 26910,
9944, 10419,	26869, 26870,	26911, 26912,
16496, 18493,	26871, 26872,	26913, 26914,
18546, 18662,	26873, 26874,	26915, 26916,
21771, 21778,	26902, 26989, 26990	26917, 26918,
22511, 22518,	\@ifdefinable . 5494,	26919, 26920,
23284, 23291,	5497, 5500, 5515,	26921, 26922,
24010, 24038,	5758, 5773, 16026	26923, 26924,
24079, 26348, 26717	\@ifdefinitionfileloaded	26925, 26926,
\@highpenalty . . . . .	. . . . . 5291, 26991	26927, 26928,
. . . 9245, 9261,	\@ifempty . 7, 202, 17947	26929, 26930,
9268, 9278, 9422,	\@ifl@aded	26931, 26932,
9438, 9445, 9455,	. . 5290, 5291, 5292	26933, 26934,
9709, 9724, 9734,	\@ifnextchar . . 163,	26935, 26936,
11565, 15467,	421, 4688, 4718,	26937, 26938,
15482, 15492,	4733, 5748, 6801,	26939, 26942,
20692, 20708,	6802, 6846, 6847,	26943, 26944,
20715, 20725,	6891, 7808, 7852,	26945, 26968,
21064, 21080,	7896, 9957, 9972,	26969, 26970,
21087, 21097,	16101, 16110,	26971, 26972,
21280, 21294,	16272, 16287,	26973, 26974,
21304, 21464,	16305, 16311,	26975, 26976,
21479, 21489,	16865, 17607,	26977, 26978,
24412, 24447,	17631, 19828,	26979, 26980,
24836, 24860, 24948	20027, 20047,	26981, 26982,
\@hintcolour 4977, 4993	25937, 25980,	26983, 26984,
\@holdpg 10279, 10296,	26174, 26606, 26650	26985, 26986,
10299, 10316,	\@ifpackagelater . .	26987, 26988,
10407, 10440, 10442	. 7210, 7215, 15972	26989, 26990,
\@hyper@launch . . 17693	\@ifpackageloaded .	26992, 26993,
\@idxitem 102,	. . . . . 170,	26994, 26995,
107, 222, 227,	1482, 2087, 5941,	26996, 26997,
631, 646, 895,	6874, 6934, 7169,	26998, 26999,
1147, 8577, 8584,	7187, 7209, 7214,	27000, 27001,
9220, 9397, 9608,	7715, 7720, 7773,	27002, 27003,
17919, 17924,	11264, 11265,	27004, 27005,
20649, 20904,	17404, 17424,	27006, 27007,
21364, 24391, 26846	17502, 17801,	27008, 27009,
\@ifclasslater	18143, 18267,	27010, 27011,
. 7212, 7217	18521, 19388,	27012, 27013,
\@ifclassloaded 6832,	24315, 26150,	27014, 27015,
7211, 7216, 7246,	26835, 26848,	27016, 27017,
8626, 8628,	26861, 26871,	27018, 27019,
9610, 11896,	26875, 26879,	27020, 27021, 27022
15923, 15936,	26883, 26884,	\@ifpackagewith . . .
26849, 26850,	26885, 26886,	. 10098, 18041,
26851, 26852,	26887, 26894,	18044, 18047,
26853, 26854,	26895, 26896,	18054, 20626,
26855, 26856,	26897, 26898,	20629, 24340,
26857, 26858,	26899, 26900,	26888, 26891,
26859, 26860,	26901, 26902,	26892, 26893,
26861, 26862,	26903, 26904,	26946, 26956, 26962



<code>\@ifstar</code>	5865, 6800, 6845, 6887, 6979, 7565, 11268, 11894, 12159, 12184, 12458, 12483, 12745, 12770, 13044, 13069, 13343, 13368, 13642, 13667, 13941, 13966, 14240, 14265, 14539, 14564, 14904, 14957, 15008, 15059, 16868
<code>\@iftagsloaded</code>	5290, 26876, 26877
<code>\@iftexfileloaded</code> .	5292, 26940, 26941
<code>\@ifundefined</code> . . 330,	331, 2461, 5097, 5334, 5337, 5342, 5345, 5350, 5353, 5358, 5361, 6789, 6793, 6943, 7036, 7957, 8440, 8448, 8563, 8565, 8570, 8660, 8677, 9959, 9966, 9974, 9980, 15794, 16019, 17804, 17805, 18079, 18090, 18153, 18155, 18160, 20135, 20623, 24631, 24635, 24711, 24733, 24734, 24782, 24783, 24870, 24892, 24893, 25177, 25200, 25254, 25314, 25363, 25380, 25410
<code>\@ifundefinedmodel</code>	25970, 26004
<code>\@ifxempty</code>	26030
<code>\@ignoretrue</code>	9844
<code>\@iiiminipage</code> . . .	16235
<code>\@iiiparbox</code>	12099, 16266, 26232
<code>\@indextitlestyle</code> .	100, 220, 17917
<code>\@inlabelfalse</code> . . .	9811
<code>\@insertfalse</code> . . .	10264
<code>\@inserttrue</code> . . .	10530
<code>\@iprintcites</code> . . .	20533
<code>\@itemdepth</code> . . .	2549, 2569, 2570, 2571
<code>\@itemfudge</code> 26727, 26729	
<code>\@itemlabel</code>	26195
<code>\@ixpt</code>	8477
<code>\@keywords</code>	324
<code>\@kludgeins</code> . . .	15358, 16759, 19855, 19860
<code>\@lastchclass</code>	353, 354, 355, 356, 358, 1406, 1407, 1408, 1409, 1411, 1450, 1451, 1463, 1471, 24168, 24169, 24170, 24171, 24173, 26367, 26368
<code>\@lastvipertrue</code> . . .	10542, 10561
<code>\@latex@error</code>	5209, 6908, 19408, 19661, 19667
<code>\@latex@warning</code> . . .	95, 298, 616, 748, 1011, 1261, 2629, 5127, 9305, 9493, 9805, 11364, 11638, 15539, 17911, 20757, 21151, 21348, 21551, 22091, 22098, 22852, 22859, 23617, 23624, 24337
<code>\@latex@warning@no@line</code>	10535, 10553, 26693
<code>\@latexbug</code>	26679
<code>\@latexerr</code>	16693, 16703, 16713
<code>\@leftcolumn</code>	10144, 10170, 10207, 10229, 10282, 10287, 15687, 15708, 15723, 15744, 16554, 16582, 16603, 16635, 19439, 19498, 19511, 19539, 19598, 19607, 26446, 26472, 26493, 26515
<code>\@let@token</code> . . .	5267, 5270
<code>\@listI</code>	7263
<code>\@listdepth</code> . . .	16085, 16251, 16520, 16524, 21712, 22451, 23224, 26186, 26189, 26194
<code>\@listi</code> 7263, 7271, 8481	
<code>\@loadwithoptions</code> .	6724, 6726, 6733
<code>\@lowertitleback</code> . .	21884, 21895, 21907, 21942, 22022, 22624, 22635, 22647, 22682, 22762, 23397, 23408, 23420, 23455, 23535
<code>\@lowpenalty</code> 4664, 25486	
<code>\@m</code> 93, 296, 614, 746,	1009, 1259, 2627, 9303, 9491, 9803, 11362, 11636, 15537, 16555, 16557, 16604, 16606, 17909, 19948, 20755, 21149, 21346, 21549, 22087, 22848, 23613, 24335
<code>\@mainmatterfalse</code> .	8813, 8843, 9785, 11618
<code>\@mainmattertrue</code> . .	8810, 8826
<code>\@makelTRfntext</code> . . .	2233, 2285, 2333
<code>\@makerTLfntext</code> . . .	2228, 2268, 2317
<code>\@makecaption</code> . 7560,	9905, 19345, 19395, 19427, 22177, 22209, 22938, 22970, 23703, 23735, 26821
<code>\@makechapterhead</code> .	301, 9562, 9757, 11589, 15495, 20524, 21512, 24356
<code>\@makecol</code>	15418, 15419, 16679, 16689, 18566, 18578, 26538
<code>\@makeextratitle</code> . .	21960, 21974,



21989, 22700,	.... 15359, 16760	26705, 26706,
22714, 22729,	\@maketitle ... 120,	26715, 26719, 26720
23473, 23487, 23502	316, 320, 485,	\@mathmargin 11220,
\@makefnmark 479, 833,	487, 492, 501,	11227, 11235, 11242
1335, 2230, 2235,	511, 839, 841,	\@maxdepth .. 15370,
4492, 8118, 8129,	846, 853, 863,	15385, 15406,
9654, 10796,	1091, 1093,	15417, 16770,
10817, 11413,	1098, 1105, 1115,	26543, 26559, 26570
11510, 15580,	1341, 1343, 1348,	\@memtempa .. 19345,
17934, 19293,	1355, 1365, 4496,	19347, 19361,
20842, 20983,	4502, 9660, 9662,	19368, 19372, 19377
21179, 21222,	9667, 9676, 9686,	\@menubordercolor .
21409, 21831,	11419, 11421,	.... 17764, 17766
21832, 21952,	11426, 11433,	\@menucolor 17775
21953, 22571,	11443, 11516,	\@midlist ... 15354,
22572, 22692,	11518, 11523,	15355, 16756, 16757
22693, 23344,	11532, 11542,	\@minipagefalse 4877,
23345, 23465, 23466	15586, 15588,	7825, 7834, 7869,
\@makefntext ... 45,	15593, 15600,	7878, 7913, 7922,
59, 75, 248, 262,	15610, 17973,	12096, 16263,
277, 480, 770,	19298, 19300,	18112, 19401,
835, 1022, 1085,	19307, 20848,	26623, 26632,
1272, 1337, 2251,	20850, 20855,	26667, 26676, 26827
2301, 4493, 8116,	20862, 20872,	\@minipagerestore 16252
8155, 8173, 8191,	20989, 20991,	\@minipagetrue
9336, 9513, 9655,	20996, 21005,	... 7833, 7877,
11414, 11511,	21015, 21233,	7921, 26631, 26675
15581, 16141,	21235, 21240,	\@minus 5044,
16158, 16174,	21249, 21259,	5130, 7259, 7261,
16202, 16217,	21415, 21417,	7268, 7270, 7272,
16232, 16777,	21422, 21431,	7273, 8478, 8480,
19295, 20779,	21441, 21969,	8482, 8483,
20844, 20918,	21983, 21998,	16434, 16472,
20985, 21181,	22010, 22709,	19945, 22366,
21224, 21410,	22723, 22738,	22384, 22394,
21702, 21729,	22750, 23482,	22404, 22415,
21732, 22441,	23496, 23511, 23523	23137, 23157,
22468, 22471,	\@maketitle@hook ..	23167, 23177,
23214, 23241, 23244	..... 118, 17971	23188, 23902,
\@makefrontispiece	\@makewincaption 20232	23922, 23932,
. 21966, 21980,	\@marbox . 7804, 7806,	23942, 23953, 23975
21995, 22706,	7810, 7814, 7815,	\@mkboth .. 599, 627,
22720, 22735,	7848, 7850, 7854,	643, 734, 892,
23479, 23493, 23508	7858, 7859, 7892,	997, 1144, 1247,
\@makeother .. 5864,	7894, 7898, 7902,	2171, 9217, 9291,
5910, 6022, 6030	7903, 26602,	9394, 9479, 9604,
\@makeschapterhead	26604, 26608,	9788, 11350,
..... 9216,	26612, 26613,	11621, 15525,
9393, 9582, 9603,	26646, 26648,	20646, 20743,
9771, 11604,	26652, 26656,	20901, 21137,
15507, 20645,	26657, 26678,	21331, 21360, 21534
20900, 21359,	26688, 26691,	\@mklab 26196
21524, 24362, 24367	26699, 26701,	\@mkpream 397, 18498,
\@makespecialcolbox	26702, 26704,	24041, 24073, 26351



\@mobile	11706, 11707,	\@mpeightcol@LTRfootgroupv@l
5004, 10670, 10768	11854, 11884,	. . . . 13940, 13965
\@modernpoem 9134, 9178	11892, 12153,	\@mpeightcol@footgroupv@r
\@mpEightCollTRfootnotetext	12178, 12452,	. . . . 13938, 13963
. . . . 13959, 14154	12477, 12739,	\@mpeightcolLTRfootnotetext
\@mpEightColRTLfootnotetext	12764, 13038,	. . . . 13934, 14141
. . . . 13960, 14181	13063, 13337,	\@mpeightcolRTLfootnotetext
\@mpEightColfootnotetext	13362, 13636,	. . . . 13935, 14168
. . . . 13958, 14112	13661, 13935,	\@mpeightcolfootnotetext
\@mpFiveCollTRfootnotetext	13960, 14234,	. . . . 13933, 14088
. . . . 13062, 13257	14259, 14533,	\@mpfivecol@LTRfootgroupv@l
\@mpFiveColRTLfootnotetext	14558, 14875,	. . . . 13043, 13068
. . . . 13063, 13284	14928, 14982,	\@mpfivecol@footgroupv@r
\@mpFiveColfootnotetext	15033, 16190,	. . . . 13041, 13066
. . . . 13061, 13215	16250, 17299,	\@mpfivecollTRfootnotetext
\@mpFourCollTRfootnotetext	17324, 17337,	. . . . 13037, 13244
. . . . 12763, 12958	17413, 18694, 24224	\@mpfivecolRTLfootnotetext
\@mpFourColRTLfootnotetext	\@mpSevenCollTRfootnotetext	. . . . 13038, 13271
. . . . 12764, 12985	. . . . 13660, 13855	\@mpfivecolfootnotetext
\@mpFourColfootnotetext	\@mpSevenColRTLfootnotetext	. . . . 13036, 13191
. . . . 12762, 12916	. . . . 13661, 13882	\@mpfn 2347,
\@mpLTRfootnotetext	\@mpSevenColfootnotetext	2373, 2399, 4758,
. . 2321, 11686,	. . . . 13659, 13813	4761, 4764, 4780,
11704, 11705,	\@mpSixCollTRfootnotetext	4788, 4796, 8213,
11842, 11883,	. . . . 13361, 13556	8219, 8242, 8248,
11891, 12152,	\@mpSixColRTLfootnotetext	8271, 8277, 9073,
12177, 12451,	. . . . 13362, 13583	9076, 9079, 9093,
12476, 12738,	\@mpSixColfootnotetext	9100, 9107,
12763, 13037,	. . . . 13360, 13514	16101, 16106,
13062, 13336,	\@mpTenCollTRfootnotetext	16110, 16115,
13361, 13635,	. . . . 14557, 14752	16247, 16277,
13660, 13934,	\@mpTenColRTLfootnotetext	16292, 17285,
13959, 14233,	. . . . 14558, 14779	17296, 17307,
14258, 14532,	\@mpTenColfootnotetext	17507, 17538,
14557, 14874,	. . . . 14556, 14710	17569, 17632,
14927, 14981,	\@mpThreeCollTRfootnotetext	18689, 24155, 24162
15032, 16205,	. . . . 12476, 12662	\@mpfootins
16249, 17310,	\@mpThreeColRTLfootnotetext	. . . 2291, 2292,
17325, 17348,	. . . . 12477, 12687	2307, 2308, 2323,
17412, 18693, 24223	\@mpThreeColfootnotetext	2324, 11818,
\@mpNineCollTRfootnotetext	. . . . 12475, 12622	11819, 11831,
. . . . 14258, 14453	\@mpTwoCollTRfootnotetext	11832, 11843,
\@mpNineColRTLfootnotetext	. . . . 12177, 12372	11844, 11855,
. . . . 14259, 14480	\@mpTwoColRTLfootnotetext	11856, 11868,
\@mpNineColfootnotetext	. . . . 12178, 12399	11869, 12012,
. . . . 14257, 14411	\@mpTwoColfootnotetext	12013, 12015,
\@mpParaLTRfootnotetext	. . . . 12176, 12330	12016, 12089,
14927, 15032, 15257	\@mparbottom	12091, 12094,
\@mpParaRTLfootnotetext	. 26689, 26697,	12119, 12121,
. . . . 14928, 15286	26698, 26699, 26700	16192, 16193,
\@mpParafootnotetext	\@mpargs	16207, 16208,
14926, 15030, 15213	12099, 16241, 16266	16222, 16223,
\@mpRTLfootnotetext	\@mparswitchfalse 7242	16257, 16258,
. . 2305, 11687,	\@mparswitchtrue . 7237	16261, 18678, 18683



\@mpfootinsv@l . . . .	. 12080, 12118,	11703, 11817,
. 11830, 11867,	12119, 12309,	11882, 11890,
12081, 12120,	12316, 12334,	12151, 12176,
12121, 12311,	12338, 12345,	12450, 12475,
12318, 12332,	12373, 12387,	12737, 12762,
12340, 12347,	12388, 12401,	13036, 13061,
12360, 12361,	12402, 12602,	13335, 13360,
12374, 12375,	12609, 12626,	13634, 13659,
12400, 12604,	12630, 12637,	13933, 13958,
12611, 12624,	12663, 12676,	14232, 14257,
12632, 12639,	12677, 12689,	14531, 14556,
12651, 12652,	12690, 12895,	14873, 14926,
12664, 12665,	12902, 12920,	14977, 14979,
12688, 12897,	12924, 12931,	15028, 15030,
12904, 12918,	12959, 12973,	16220, 16248,
12926, 12933,	12974, 12987,	17288, 17323,
12946, 12947,	12988, 13194,	17326, 17411,
12960, 12961,	13201, 13219,	18692, 24220, 24222
12986, 13196,	13223, 13230,	\@mpfourcol@LTRfootgroupv@l
13203, 13217,	13258, 13272,	. . . . 12744, 12769
13225, 13232,	13273, 13286,	\@mpfourcol@footgroupv@r
13245, 13246,	13287, 13493,	. . . . 12742, 12767
13259, 13260,	13500, 13518,	\@mpfourcollTRfootnotetext
13285, 13495,	13522, 13529,	. . . . 12738, 12945
13502, 13516,	13557, 13571,	\@mpfourcolRTLfootnotetext
13524, 13531,	13572, 13585,	. . . . 12739, 12972
13544, 13545,	13586, 13792,	\@mpfourcolfootnotetext
13558, 13559,	13799, 13817,	. . . . 12737, 12892
13584, 13794,	13821, 13828,	\@mplistdepth
13801, 13815,	13856, 13870,	. . . . 16085, 16251
13823, 13830,	13871, 13884,	\@mpninecol@LTRfootgroupv@l
13843, 13844,	13885, 14091,	. . . . 14239, 14264
13857, 13858,	14098, 14116,	\@mpninecol@footgroupv@r
13883, 14093,	14120, 14127,	. . . . 14237, 14262
14100, 14114,	14155, 14169,	\@mpninecollTRfootnotetext
14122, 14129,	14170, 14183,	. . . . 14233, 14440
14142, 14143,	14184, 14390,	\@mpninecolRTLfootnotetext
14156, 14157,	14397, 14415,	. . . . 14234, 14467
14182, 14392,	14419, 14426,	\@mpninecolfootnotetext
14399, 14413,	14454, 14468,	. . . . 14232, 14387
14421, 14428,	14469, 14482,	\@mppara@LTRfootgroupv@l
14441, 14442,	14483, 14689,	. . . . . 14880,
14455, 14456,	14696, 14714,	14933, 14985, 15036
14481, 14691,	14718, 14725,	\@mppara@footgroupv@r
14698, 14712,	14753, 14767,	. . . . 14879, 14932
14720, 14727,	14768, 14781,	\@mpparaLTRfootnotetext
14740, 14741,	14782, 15191,	14874, 14981, 15243
14754, 14755,	15198, 15217,	\@mpparaRTLfootnotetext
14780, 15193,	15221, 15228,	. . . . 14875, 15272
15200, 15215,	15258, 15273,	\@mpparafootnotetext
15223, 15230,	15274, 15288, 15289	14873, 14979, 15188
15244, 15245,	\@mpfootnotetext . .	\@mpsevendcol@LTRfootgroupv@l
15259, 15260, 15287	. . . . . 2289,	. . . . 13641, 13666
\@mpfootinsv@r	11685, 11702,	



\@mpsevenscol@footgroupv@r	12436,	12437,	24763,	24766,
.... 13639, 13664	12461,	12462,	24779,	24784,
\@mpsevenscollTRfootnotetext	12701,	12707,	24785,	24786,
.... 13635, 13842	12713,	12718,	24788,	24789,
\@mpsevenscolRTLfootnotetext	12723,	12724,	24791,	24794,
.... 13636, 13869	12748,	12749,	24797,	24805,
\@mpsevenscolfootnotetext	13000,	13006,	24806,	24808,
.... 13634, 13789	13012,	13017,	24811,	24814,
\@mpsixcol@LTRfootgroupv@l	13022,	13023,	24826,	24871,
.... 13342, 13367	13047,	13048,	24872,	24873,
\@mpsixcol@footgroupv@r	13299,	13305,	24874,	24875,
.... 13340, 13365	13311,	13316,	24876,	24877,
\@mpsixcollTRfootnotetext	13321,	13322,	24878,	24879,
.... 13336, 13543	13346,	13347,	24894,	24895,
\@mpsixcolRTLfootnotetext	13598,	13604,	24896,	24897,
.... 13337, 13570	13610,	13615,	24899,	24900,
\@mpsixcolfootnotetext	13620,	13621,	24902,	24905,
.... 13335, 13490	13645,	13646,	24908,	24916,
\@mptencol@LTRfootgroupv@l	13897,	13903,	24917,	24919,
.... 14538, 14563	13909,	13914,	24922,	24925,
\@mptencol@footgroupv@r	13919,	13920,	24938,	25178,
.... 14536, 14561	13944,	13945,	25179,	25180,
\@mptencollTRfootnotetext	14196,	14202,	25181,	25182,
.... 14532, 14739	14208,	14213,	25183,	25184,
\@mptencolRTLfootnotetext	14218,	14219,	25185,	25186,
.... 14533, 14766	14243,	14244,	25225,	25231,
\@mptencolfootnotetext	14495,	14501,	25238,	25244,
.... 14531, 14686	14507,	14512,	25251,	25255,
\@mpthreecol@LTRfootgroupv@l	14517,	14518,	25256,	25257,
.... 12457, 12482	14542,	14543,	25258,	25260,
\@mpthreecol@footgroupv@r	14794,	14800,	25261,	25263,
.... 12455, 12480	14806,	14811,	25266,	25269,
\@mpthreecollTRfootnotetext	14854,	14855,	25277,	25278,
.... 12451, 12650	14907,	14908,	25280,	25283,
\@mpthreecolRTLfootnotetext	14960,	15011,	25286,	25311,
.... 12452, 12675	15302,	15313,	25315,	25316,
\@mpthreecolfootnotetext	15329,	15338,	25317,	25319,
.... 12450, 12599	15347,	18616,	25320,	25322,
\@mptwocol@LTRfootgroupv@l	24646,	24685,	25325,	25328,
.... 12158, 12183	24686,	24687,	25336,	25337,
\@mptwocol@footgroupv@r	24688,	24689,	25339,	25342,
.... 12156, 12181	24690,	24691,	25345,	25365,
\@mptwocolLTRfootnotetext	24692,	24693,	25368,	25372,
.... 12152, 12359	24694,	24712,	25412, 25415, 25419	
\@mptwocolRTLfootnotetext	24713,	24714,	\@nameuse 6790, 9129,	
.... 12153, 12386	24715,	24716,	11150,	11200,
\@mptwocolfootnotetext	24717,	24718,	11203,	11249,
.... 12151, 12306	24719,	24720,	12417,	12418,
\@namedef 6793, 6944,	24735,	24736,	12423,	12424,
9131, 12101,	24737,	24738,	12428,	12429,
12137, 12138,	24740,	24741,	12433,	12434,
12162, 12163,	24743,	24746,	12704,	12705,
12414, 12420,	24749,	24757,	12710,	12711,
12426, 12431,	24758,	24760,	12715,	12716,



12720,	12721,	24984,	24988,	22480,	22696,
13003,	13004,	24994,	24995,	22884,	23224,
13009,	13010,	24996,	25000,	23251,	23253,
13014,	13015,	25003,	25007,	23469,	23649,
13019,	13020,	25009,	25023,	24103,	24107,
13302,	13303,	25025,	25027,	24168,	24177,
13308,	13309,	25033,	25051,	24184,	24487,
13313,	13314,	25052,	25054,	24830,	24831,
13318,	13319,	25055,	25065,	24942,	24943,
13601,	13602,	25067,	25070,	25172,	25886,
13607,	13608,	25071,	25073,	26033,	26189,
13612,	13613,	25075,	25076,	26230,	26265,
13617,	13618,	25084,	25086,	26267,	26268,
13900,	13901,	25090,	25091,	26269,	26274,
13906,	13907,	25095,	25099,	26276,	26277,
13911,	13912,	25103,	25104,	26278,	26283,
13916,	13917,	25172,	25205,	26285,	26286,
14199,	14200,	25212,	25217,	26287,	26292,
14205,	14206,	25218,	25225,	26294,	26295,
14210,	14211,	25304,	25311,	26296,	26370,
14215,	14216,	25382,	25449,	26372,	26415, 26679
14498,	14499,	25972, 26006, 26751		\@newlistfalse	
14504,	14505,			. . . . 15858, 26740	
14509,	14510,	\@ne 137, 142, 353, 362,		\@next 4823,	
14514,	14515,	365, 484, 838,		7803, 7804, 7847,	
14797,	14798,	1090, 1340, 1406,		7848, 7891, 7892,	
14803,	14804,	1415, 1418, 1419,		26601, 26602,	
14808,	14809,	1420, 1453, 1456,		26645, 26646, 26678	
14813,	14814,	1457, 1458, 2290,		\@nextchar 359,	
15303,	15310,	2306, 2322, 2570,		361, 362, 363,	
15314,	15321,	4283, 4288, 4289,		365, 366, 367,	
15330,	15335,	4290, 4833, 5135,		368, 369, 372,	
15339,	15344,	5163, 5198, 5529,		373, 374, 1412,	
15814,	21882,	5583, 5637, 6367,		1414, 1415, 1416,	
22217,	22622,	6526, 6597, 6658,		1418, 1419, 1420,	
22978,	23395,	7151, 7160, 9659,		1421, 1422, 1423,	
23743,	24374,	10109, 11418,		1424, 1427, 1428,	
24647,	24648,	11515, 11976,		1429, 1441, 1443,	
24649,	24652,	12024, 12039,		1444, 1509, 1510,	
24655,	24660,	12064, 15585,		1511, 9930, 9931,	
24661,	24666,	16191, 16206,		9932, 24174,	
24670,	24671,	16221, 16534,		24176, 24177,	
24673,	24674,	17640, 17641,		24178, 24179,	
24676,	24677,	17646, 18067,		24180, 24181,	
24679,	24680,	18074, 18083,		24182, 24184,	
24682,	24683,	18094, 18500,		24185, 24186,	
24690,	24695,	19297, 19374,		24187, 24188,	
24696,	24779,	19637, 20026,		24191, 24192, 24193	
24826,	24830,	20046, 20847,		\@nil 1494, 1495,	
24831,	24843,	20988, 21185,		1497, 1498, 9919,	
24853,	24854,	21228, 21232,		10839, 10896,	
24938,	24942,	21414, 21712,		17807, 17816,	
24943,	24964,	21739, 21741,		17818, 17830, 24289	
24980,	24983,	21956, 22123,		\@ninecol@LTRfootgroupv@1	
		22451, 22478,			



.... 14231, 14256	\@normalRTLfootfmt	10238, 10240,
\@ninecol@footgroupv@r	. 11729, 11783,	15361, 15363,
.... 14227, 14252	11799, 11864, 11877	15364, 15369,
\@ninecolLTRfootfmt	\@normalcr 18645	15384, 15386,
. 14326, 14341,	\@normalfootfmt ...	15400, 15410,
14381, 14450, 14464	. 11723, 11752,	15687, 15690,
\@ninecolLTRfootnotetext	11768, 11827, 11840	15703, 15712,
.... 14222, 14319	\@notprerr .. 6110, 6125	15723, 15726,
\@ninecolRTLfootfmt	\@nx 124, 125,	15740, 15750,
. 14353, 14368,	334, 17977, 17978	15831, 15836,
14384, 14477, 14491	\@nxtcol 15883,	16554,
\@ninecolRTLfootnotetext	15806, 15808, 15849	16561, 16562,
.... 14223, 14346	\@oddfoot 2143,	16578, 16588,
\@ninecolfootfmt ..	2148, 2184, 2189,	16603, 16610,
. 14280, 14310,	4462, 15819,	16611, 16627,
14378, 14408, 14437	15826, 26754, 26771	16639, 16678,
\@ninecolfootnotetext	\@oddhead 2067,	16690, 16724,
.... 14221, 14267	2147, 2172,	16726, 16737,
\@nmbrlistfalse . 26197	2189, 15818,	16762, 16765,
\@nobreakfalse . 545,	15825, 26754, 26770	16766, 18584,
700, 944, 1183,	\@oldmakefnmark ...	18586, 18588,
9255, 9432, 9719,	..... 21831,	19439, 19442,
11574, 15477,	21832, 21952,	19443, 19473,
20702, 21074,	21953, 22571,	19498, 19501,
21289, 21474,	22572, 22692,	19503, 19515,
24434, 24438, 24973	22693, 23344,	19539, 19542,
\@nobreaktrue .. 544,	23345, 23465, 23466	19543, 19573,
699, 943, 1182,	\@onefilewithoptions	19598, 19601,
9254, 9431, 9718,	.. 6740, 6741, 6748	19603, 19613,
11573, 15476,	\@onelevel@sanitize	20092, 20095,
20701, 21073,	..... 4805	20100, 26446,
21288, 21473,	\@onlypreamble 4164,	26449, 26450,
24433, 24437, 24972	6963, 6973,	26464, 26476,
\@nocnterr 331	6977, 14847,	26493, 26496,
\@nocounterr 330	14848, 14852, 15450	26497, 26511,
\@nodocument 4802	\@openbib@code . 606,	26521, 26540,
\@noitemerr 95,	741, 1004, 1254,	26542, 26556,
298, 615, 747,	5120, 5131, 9298,	26558, 26569, 26798
1010, 1260, 2628,	9486, 9795,	\@outputdblcol 15805,
5127, 9304, 9492,	11357, 11628,	26534, 26535, 26536
9804, 11363,	15532, 20750,	\@outputpage
11637, 15538,	21144, 21338,	. 10187, 10191,
17911, 19955,	21541, 22073,	10246, 10250,
20756, 21150,	22834, 23599, 24327	15715, 15718,
21347, 21550,	\@otarlinesep	15753, 15757,
22090, 22097,	.... 24063, 24069	15833, 15837,
22851, 22858,	\@outerparskip ... 9172	15842, 15853,
23616, 23623, 24336	\@outputbox	16591, 16595,
\@nonlatinfalse 4069,	. 10144, 10147,	16644, 16648,
4187, 18101, 18145	10148, 10162,	18567, 18579,
\@nonlatintrue 4070,	10174, 10179,	19521, 19526,
4189, 18101, 18145	10181, 10207,	19618, 19623,
\@normalLTRfootfmt	10210, 10211,	20084, 20085,
11735, 11814, 11852	10225, 10235,	26481, 26485,



26524, 26528, 26735	11836, 11848,	17871, 17882, 17888
\@ovbtrue 15643	11860, 11873,	\@pdfremotestartview
\@ovdx 15656, 15664	11974, 12323,	. . . . . 17679
\@ovdy 15657, 15665	12352, 12365,	\@phone 5005, 10671, 10769
\@ovhorz . . . 15662, 15663	12379, 12392,	\@photo . 5010, 10644,
\@ovltrue 15643	12406, 12616,	10646, 10775, 10777
\@ovri 15655	12644, 12656,	\@photowidth . 5009,
\@ovro 15655, 15664, 15665	12669, 12681,	5010, 10646, 10742
\@ovrtrue 15643	12694, 12909,	\@pkgextension 6768,
\@ovttrue 15643	12938, 12951,	6779, 6843, 6852,
\@ovvert . . . 15660, 15661	12965, 12978,	6860, 6863, 6871
\@ovxx 15645,	12992, 13208,	\@plus . . 24, 103, 223,
15646, 15649,	13237, 13250,	535, 552, 630,
15656, 15661,	13264, 13277,	645, 674, 677,
15662, 15666, 15667	13291, 13507,	690, 708, 715,
\@ovyy . 15647, 15648,	13536, 13549,	894, 901, 904,
15649, 15657, 15663	13563, 13576,	917, 934, 952,
\@pagedp . . 26707, 26717	13590, 13806,	1146, 1157, 1160,
\@pageht 10268, 10274,	13835, 13848,	1173, 1191, 1199,
15426, 15427,	13862, 13875,	5044, 5130, 7259,
15428, 26690, 26697	13889, 14105,	7260, 7261, 7268,
\@par 25107	14134, 14147,	7269, 7270, 7272,
\@para@LTRfootgroupv@l	14161, 14174,	7273, 8478, 8479,
. 14871,	14188, 14404,	8480, 8482, 8483,
14924, 14974, 15025	14433, 14446,	8549, 9219, 9230,
\@para@footgroupv@r	14460, 14473,	9233, 9246, 9262,
. 14865, 14918	14487, 14703,	9269, 9396, 9407,
\@para@footstartv@l	14732, 14745,	9410, 9423, 9439,
. 14872,	14759, 14772,	9446, 9607, 9710,
14925, 14975, 15026	14786, 15205,	9725, 11297,
\@para@footstartv@r	15235, 15249,	11311, 11566,
. 14866, 14919	15264, 15278,	15178, 15182,
\@paraLTRfootfmt . .	15293, 15308,	15186, 15468,
. 15125, 15141,	15319, 15858,	15483, 16434,
15180, 15254, 15269	16136, 16153,	16472, 17920,
\@paraLTRfootnotetext	16169, 16198,	17940, 19688,
14858, 14967, 15116	16213, 16228,	19700, 19945,
\@paraRTLfootfmt . .	16246, 19422,	20648, 20677,
. 15155, 15171,	19636, 26248,	20680, 20693,
15184, 15283, 15298	26620, 26664, 26741	20709, 20716,
\@paraRTLfootnotetext	\@parboxto 26251, 26258	20903, 21049,
. 14859, 15146	\@parmoderr . . 4821,	21052, 21065,
\@parafootfmt	7800, 7844,	21081, 21088,
. 15076, 15107,	7888, 26598, 26642	21281, 21295,
15176, 15210, 15240	\@part 575, 11321	21363, 21465,
\@parafootnotetext	\@pboxswfalse	21480, 21769,
14857, 14965, 15061	. . . . . 16237, 26234	21776, 21785,
\@parboxrestore . 42,	\@pboxswtrue . . . 26256	21848, 21874,
56, 72, 245, 259,	\@pdfm@mark	21919, 22330,
274, 2247, 2264,	. 17648, 17664,	22348, 22366,
2281, 2297, 2313,	17698, 17729,	22367, 22384,
2329, 4872, 7554,	17758, 17833,	22385, 22394,
7822, 7866, 7910,	17838, 17849,	22395, 22404,
9849, 11823,	17854, 17865,	22415, 22509,



22516,	22525,	21071,	21091,	14065,	14276,
22588,	22614,	21092,	21096,	14306,	14322,
22659,	23092,	21283,	21284,	14337,	14349,
23111,	23137,	21286,	21298,	14364,	14575,
23138,	23157,	21299,	21303,	14605,	14621,
23158,	23167,	21468,	21469,	14636,	14648,
23168,	23177,	21471,	21483,	14663,	15071,
23188,	23282,	21484,	21488,	15102,	15120,
23289,	23298,	24296,	24305,	15136, 15150, 15166	
23361,	23387,	24307,	24696,	\@preamfourfmt	12878,
23432,	23857,	24845,	24846,		12884, 12887, 12890
23876,	23902,	24858,	24957,	\@preamninefmt	14373,
23903,	23922,	24958,	24967,		14379, 14382, 14385
23923,	23932,	25231,	25238,	\@preamnormalfmt	..
23933,	23942,	25584, 25689, 26395			..... 11719,
23953,	23974,	\@preamble	399, 405,		11724, 11730, 11736
24240,	24269,		418, 429, 1466,	\@preamsevenfmt	...
24390,	24666,		1474, 18504,		..... 13775,
24834,	24837,		24042, 24044,		13781, 13784, 13787
24841,	24946,		24051, 24081,	\@preamsixfmt	13476,
24949,	24953,		24082, 24090,		13482, 13485, 13488
25028,	25365,		26352, 26354, 26363	\@preamtenfmt	14672,
25368,	25372,	\@preameightfmt	...		14678, 14681, 14684
25493, 25677, 26383			..... 14074,	\@preamthreefmt	...
\@pnumwidth	. 13, 15,		14080, 14083, 14086		..... 12585,
	208, 210, 538,	\@preamerr	.....		12591, 12594, 12597
	539, 541, 555,		375, 1430, 1460,	\@preamtwofmt	12292,
	556, 560, 693,		24194, 26361, 26374		12298, 12301, 12304
	694, 696, 718,	\@preamfivefmt	13177,	\@printcites	... 20535
	719, 723, 920,		13183, 13186, 13189	\@pstrickserr	... 20469
	921, 925, 937,	\@preamfntext	11747,	\@ptsize	. 4908, 4909,
	938, 940, 1176,		11763, 11778,		4910, 4911, 4918
	1177, 1179, 1202,		11794, 11809,	\@publisher	. 8641, 8694
	1203, 1207, 9249,		11969, 12195,	\@publishers	21875,
	9250, 9252, 9272,		12225, 12241,		22020, 22615,
	9273, 9277, 9426,		12256, 12268,		22760, 23388, 23533
	9427, 9429, 9449,		12283, 12494,	\@quote	. 5011, 10650,
	9450, 9454, 9713,		12523, 12538,		10652, 10779, 10781
	9714, 9716, 9728,		12552, 12563,	\@quotebox	..... 20534
	9729, 9733, 9994,		12577, 12781,	\@quotecolour	.....
	9999, 10000,		12811, 12827,		.. 4973, 4990, 5100
	11300, 11301,		12842, 12854,	\@r@m@msize	.... 24076
	11305, 11314,		12869, 13080,	\@raggedtwoe@abdhook	
	11315, 11317,		13110, 13126,		20609, 20614, 20624
	11568, 11569,		13141, 13153,	\@raggedtwoe@document@opt	
	11571, 15471,		13168, 13379,		20608, 20612, 20630
	15472, 15474,		13409, 13425,	\@raggedtwoe@everyselectfont	
	15486, 15487,		13440, 13452,		..... 20548,
	15491, 17953,		13467, 13678,		20561, 20574, 20585
	17955, 19708,		13708, 13724,	\@raggedtwoe@footmisctrue	
	20696, 20697,		13739, 13751,		..... 20611
	20699, 20719,		13766, 13977,	\@raggedtwoe@gnewline	
	20720, 20724,		14007, 14023,		20541, 20554, 20567
	21068, 21069,		14038, 14050,		



\@raggedtwoe@raggedrightboxes@opt	19480, 19481, 20587, 19489, 19493, 20606, 20610, 20627, 19499, 19565,
\@raggedtwoe@samed@gneline	19570, 19571, 20578, 19580, 19581, 19589, 19593, 19599
\@raggedtwoe@samedcr	20538, 20551, 20564, 20577
\@raggedtwoe@spaceskipfalse	\@rightskip . 18641, 20543, 20544, 20556, 20557, 20569, 20570,
\@raggedtwoe@spaceskiptrue	20580, 20581, 26299
\@rc@ifdefinable ..	20547, 20560, 20573
..... 5515, 5773	\@rjfieldfalse .. 26725
\@regtocline 671, 709, 726, 898, 928, 953, 1154, 1192, 1210, 9227, 9263, 9281, 9404, 9440, 9458, 20674, 20710, 20728, 21046, 21082, 21100	\@runbordercolor .. 17704, 17706
\@reinsetts 15441	\@runcolor 17720
\@rememsize 24073, 24076	\@s@size 24076
\@removefromreset . 19964, 19966	\@s@bidi@AfterClass 6800, 6809, 6821, 6830
\@reqcolroom 10268, 10269, 10270, 10271, 10273, 10274, 10275, 10276, 10277, 10278, 10518	\@s@bidi@AfterPackage 6845, 6853, 6864, 6872
\@resetactivechars 15856, 26738	\@sarray 24035
\@resetdyn@mics . 15844	\@savemarbox ... 26719
\@resetst@tics .. 15843	\@secondoftwo . 4044, 4050, 4056, 5377, 5381, 5389, 5393, 5401, 5405, 5411, 5419, 5432, 5441, 5450, 5459, 5465, 5468, 5479, 5484, 5491, 5871, 5881, 5882, 5883, 5884, 5890, 5899, 5905, 5929, 5957, 5985, 6037, 6049, 6050, 6059, 6705, 6833, 6875, 15451
\@restonecolfalse 98, 218, 620, 636, 885, 1137, 9210, 9387, 9597, 17915, 20639, 20894, 21353, 24348	\@secpenalty 5, 200, 534, 551, 689, 707, 714, 916, 933, 951, 1172, 1190, 1198, 11296, 11310, 17945, 24281, 24414, 24469, 24833, 24840, 24945, 24952
\@restonecoltrue 98, 218, 622, 638, 887, 1139, 9212, 9389, 9599, 17915, 20641, 20896, 21355, 24350	\@sectiontitlecolour 4974, 4991
\@resumename 4943, 4999	\@seesize . 24073, 24076
\@revlabeltrue . 771, 1023, 1273, 9337, 9514, 20780, 20919	\@setcol 15850
\@rightcolumn 19465, 19470, 19471,	\@setcolbox 15811, 15847
	\@setcopyright 112, 17965
	\@setfontsize . 7258, 7267, 8477, 8487, 8488, 8489, 8490, 8491, 8492, 8493
	\@setfpsbit 4837, 4840, 4843
	\@setmarks .. 10154, 10156, 10186, 10217, 10219, 10245, 15696, 15698, 15715, 15732, 15734, 15752, 16568, 16570, 16590, 16617, 16619, 16643, 19449, 19451, 19520, 19549, 19551, 19617, 26456, 26458, 26480, 26503, 26505, 26523
	\@setminipage . 7556, 16253, 16528, 19424
	\@setpar 21182, 21225, 21735, 21746, 22474, 22486, 23247, 23259
	\@settab 9139
	\@sevenscol@LTRfootgroupv@l 13633, 13658
	\@sevenscol@footgroupv@r 13629, 13654
	\@sevenscolLTRfootfmt . 13728, 13743, 13783, 13852, 13866
	\@sevenscolLTRfootnotetext 13624, 13721
	\@sevenscolRTLfootfmt . 13755, 13770, 13786, 13879, 13893
	\@sevenscolRTLfootnotetext 13625, 13748
	\@sevenscolfootfmt . 13682, 13712, 13780, 13810, 13839
	\@sevenscolfootnotetext 13623, 13669
	\@sharp 411, 1468, 1469, 1470, 1476, 1477, 1478, 17807, 17813,



18496, 24047, 24082, 24088, 26358	\@starttoc .. 8444, 8452	8087, 8089, 8090, 8091, 8092
\@sixcolLTRfootgroupv@l 13334, 13359	\@stopfield 9146, 9161, 9165, 9193, 26725	\@temp@last@bibkey 8010, 8011, 8017, 8029, 8030, 8036, 8048, 8049, 8055, 8076, 8077, 8087
\@sixcol@footgroupv@r 13330, 13355	\@stopline . 9165, 26725	
\@sixcolLTRfootfmt . 13429, 13444, 13484, 13553, 13567	\@stpelt 6232, 6236, 6238	
\@sixcolLTRfootnotetext 13325, 13422	\@strip 19633	
\@sixcolRTLfootfmt . 13456, 13471, 13487, 13580, 13594	\@subjclass 324	
\@sixcolRTLfootnotetext 13326, 13449	\@subject 21856, 21857, 22019, 22596, 22597, 22759, 23369, 23370, 23532	\@tempa 123, 126, 133, 134, 135, 136, 818, 820, 822, 826, 1070, 1072, 1074, 1078, 1320, 1322, 1324, 1328, 2352, 2378, 2404, 5165, 5172, 5203, 5204, 5207, 5333, 5334, 5337, 5339, 5341, 5342, 5345, 5347, 5349, 5350, 5353, 5355, 5357, 5358, 5361, 5363, 5530, 5540, 5546, 5558, 5565, 5571, 5584, 5594, 5600, 5612, 5619, 5625, 5638, 5651, 5657, 5675, 5685, 5691, 12028, 12035, 15644, 16830, 16831, 16832, 16833, 16870, 16873, 16874, 16880, 16891, 16892, 16898, 16903, 16904, 16906, 16909, 16966, 16967, 16968, 16969, 17426, 17430, 17433, 17445, 17464, 17468, 17471, 17483, 17976, 17979, 18548, 18549, 18551, 18552, 19967, 19968, 19969, 19972, 19979, 19985, 20827, 20829, 20831, 20835, 20968, 20970, 20972, 20976, 21559, 21560,
\@sixcolRTLfootnotetext 13324, 13370	\@subsectioncolour 4976, 4992	
\@skip@bove 24067, 24069	\@subtitle .. 21862, 22015, 22602, 22755, 23375, 23528	
\@spaces 24105, 24146, 24151	\@tabacol 4750, 18481, 24029, 26160, 26338	
\@spart . 594, 596, 11340	\@tabarray 382, 421, 434, 4752, 18468, 18470, 20001, 20003, 26155, 26162, 26340, 26366	
\@specialpagefalse 15813, 26751	\@tabclassiv 4752, 18482, 24031, 26162, 26340	
\@specialstyle 15814, 26751	\@tabclassz .. 1471, 4751, 18482, 24030, 26161, 26339	
\@stabarray 24031	\@tabcr 9142, 9152	
\@stabular 24027	\@tabminus 9140	
\@star@or@long 5510, 5743, 5767, 5778	\@tabplus 9139	
\@startcolumn ... 16653	\@tabular 377, 4738, 26336	
\@startdblcolumn 10190, 10192, 10249, 10251, 15716, 15718, 15756, 15757, 15840, 15842, 16594, 16596, 16647, 16649, 19524, 19527, 19621, 19624, 26484, 26486, 26527, 26529	\@tabularcr 4752, 18486, 24031, 26162, 26340	
\@startfield 9181	\@tagsextension 5287, 5290	
\@startpbox .. 1443, 1444, 1509, 1510, 1511, 9930, 9931, 9932, 18483, 18484, 18490, 24045, 24083, 26355	\@tarlinesep 24069, 24070, 24071, 24072, 24075, 24077	
\@startsection 23, 17939	\@temp@bibkey . 8011, 8030, 8049, 8077	
	\@temp@bibkeyx 8016, 8017, 8019, 8020, 8021, 8022, 8035, 8036, 8038, 8039, 8040, 8041, 8054, 8055, 8057, 8058, 8059, 8060, 8086,	



21602, 21603,	18113, 18513,	\@tempdima 8,
21734, 22075,	18514, 18517,	10, 12, 14, 203,
22078, 22473,	19350, 19353,	205, 207, 209,
22836, 22839,	19357, 19359,	389, 390, 392,
23246, 23601,	19365, 19367,	536, 553, 558,
23604, 24154,	19368, 19397,	679, 692, 716,
24156, 24161,	19398, 19402,	721, 906, 907,
24163, 25675,	20233, 20234,	918, 923, 936,
25692, 25696,	20237, 24128,	1162, 1175,
25697, 25698,	24148, 25636,	1200, 1205, 1488,
25707, 25721,	25639, 25644,	1489, 1521, 1522,
25897, 25900,	25648, 25652,	1523, 2160, 2468,
25906, 25910, 25924	25656, 25660,	2472, 2473, 2485,
\@tempb 5203,	25664, 25668,	2486, 2488, 2511,
5204, 5206, 5207,	25672, 26321,	2513, 2524, 2526,
16830, 16831,	26322, 26377,	3546, 3547, 4905,
16871, 16873,	26378, 26379,	4907, 8465, 8466,
16901, 16903,	26380, 26604,	9235, 9248, 9270,
16904, 16906,	26648, 26786,	9275, 9412, 9425,
16909, 19971,	26793, 26794,	9447, 9452, 9711,
19972, 19978,	26823, 26824, 26828	9726, 9731, 9942,
19979, 19984, 19985	\@tempc	9943, 9944, 9992,
\@tempboxa . . . 2073,	16872, 16874, 16880	9997, 10808,
2074, 2075, 2076,	\@tempcnta . . . 1434,	10809, 10810,
2077, 2177, 2178,	1493, 1494, 1495,	10811, 10829,
2179, 2180, 2181,	1497, 1498, 2470,	10830, 10831,
2434, 2451, 2452,	2471, 2473, 4825,	10832, 10838,
2453, 2454, 2455,	4831, 4833, 4846,	10840, 10841,
2456, 2457, 2458,	4847, 4853, 4854,	10845, 10846,
2497, 2499, 2500,	5180, 5182, 5186,	10847, 10848,
2501, 2506, 2519,	9917, 9919,	10849, 10857,
7806, 7850, 7894,	10837, 10894,	10861, 10864,
10284, 10285,	20051, 20053,	10865, 10866,
10862, 10863,	20054, 20060,	10880, 10881,
10864, 10865,	20064, 20077,	10882, 10895,
10867, 10916,	20133, 20135,	10897, 10898,
10917, 10918,	20139, 20142,	10902, 10903,
10919, 10921,	20144, 21927,	10904, 10905,
12099, 15655,	21929, 22667,	10906, 10912,
15659, 15667,	22669, 23440,	10915, 10918,
15668, 15791,	23442, 24141,	10919, 10920,
15792, 15793,	25483, 25484,	10932, 10933,
16242, 16266,	25485, 25504,	10934, 11150,
16371, 16416,	25505, 25506,	11151, 11156,
16423, 16433,	25508, 25510,	11157, 11158,
16436, 16440,	25592, 25593,	11159, 11160,
16442, 16448,	25594, 26679,	11275, 11277,
16482, 16484,	26681, 26684,	11279, 11298,
16490, 16503,	26686, 26688, 26710	11303, 11313,
16507, 16508,	\@tempcntb . . . 2481,	14844, 14883,
16796, 16892,	2482, 2484, 4851,	14884, 14887,
16909, 17058,	4852, 4853,	14888, 14894,
17239, 17241,	20052, 20053,	14895, 14896,
18104, 18109,	20060, 20064, 20077	14897, 14899,



14936,	14937,	22909,	22910,	2478, 2483, 2484,
14940,	14941,	23248,	23249,	2485, 2486, 2491,
14947,	14948,	23251,	23253,	2494, 2495, 2497,
14949,	14950,	23260,	23261,	2498, 2507, 2512,
14952,	14988,	23265,	23267,	2513, 2520, 2525,
14989,	14992,	23674,	23675,	2526, 9911,
14993,	14999,	24074,	24077,	10365, 10385,
15000,	15001,	24079,	24142,	10808, 10809,
15002,	15004,	24201,	24202,	10829, 10830,
15039,	15040,	24203,	24424,	10881, 10883,
15043,	15044,	24428,	24455,	10886, 10933,
15050,	15051,	24459,	24478,	10935, 10938,
15052,	15053,	24482,	24495,	11153, 11156,
15055,	15371,	24499,	24512,	14885, 14886,
15373,	15470,	24516,	24529,	14887, 14938,
15484,	15489,	24533,	24546,	14939, 14940,
15656,	15657,	24550,	24563,	14990, 14991,
15660,	15661,	24567,	24581,	14992, 15041,
16240,	16244,	24585,	24600,	15042, 15043,
16765,	16767,	24604,	24620,	15649, 15650,
16889,	16891,	24624,	24655,	15651, 15652,
16896,	16898,	24659,	24843,	15654, 16890,
16899,	16901,	24849,	24955,	16891, 16897,
16914,	16919,	24995,	24999,	16898, 16900,
16924,	16928,	25002,	25006,	16901, 19633,
17948,	17950,	25009,	25011,	19658, 21749,
17952,	17954,	25051,	25054,	21750, 21752,
18478,	18488,	25055,	25059,	21754, 22489,
18493,	19468,	25500,	25502,	22490, 22492,
19472,	19568,	25531,	25534,	22494, 23262,
19572,	19633,	25541,	25544,	23263, 23265,
19658,	19681,	25548,	25553,	23267, 24074,
19693,	19694,	25556,	25568,	24077, 24079,
19705,	19706,	25601,	25603,	25501, 25507,
20055,	20682,	25604,	25607,	25509, 25514,
20695,	20717,	25610,	25614,	25516, 25519,
20722,	21054,	25621,	25623,	25523, 25527,
21067,	21089,	25682,	25683,	25535, 25537,
21094,	21183,	25696,	25698,	25538, 25551,
21184,	21185,	25706,	25713,	25557, 25559,
21226,	21227,	25859,	25860,	25862, 25863,
21228,	21296,	25879,	25890,	25865, 25867,
21301,	21466,	25891,	25892,	25870, 25871,
21481,	21486,	25893,	25905,	25873, 25876,
21604,	21605,	25908,	25914,	25890, 25891,
21736,	21737,	25915,	26247,	25892, 25896,
21739,	21741,	26248,	26388,	25909, 25913,
21747,	21748,	26389,	26689,	25914, 26250, 26251
21752,	21754,	26690,	26691,	\@tempdimc ... 2480,
22148,	22149,	26692,	26695,	
22475,	22476,	26698,	26701,	
22478,	22480,	26703, 26726, 26727		
22487,	22488,			
22492,	22494,	\@tempdimb ... 2469,		21744, 21745,
		2470, 2474, 2477,		21759, 22472,



22484, 22485, 22499, 23245, 23257, 23258, 23272	\@texfileextension 5289, 5292	22741, 22751, 23391, 23410, 23433, 23514, 23524
\@tempskipa 9171, 9172, 9173, 11984, 11985, 11986, 12008, 12009, 12010, 15324, 15325	\@textbottom 15366, 16768, 21769, 21776, 22509, 22516, 23282, 23289	\@thefnmark 44, 58, 74, 247, 261, 276, 479, 482, 772, 834, 836, 1024, 1088, 1274, 1336, 1338, 2249, 2266, 2283, 2299, 2315, 2331, 2359, 2365, 2385, 2391, 2411, 2417, 4492, 4495, 4781, 4789, 4797, 8116, 8118, 8152, 8170, 8188, 8214, 8220, 8243, 8249, 8272, 8278, 9094, 9101, 9108, 9338, 9515, 9654, 9657, 11413, 11416, 11510, 11513, 11750, 11766, 11781, 11797, 11812, 11825, 11838, 11850, 11862, 11875, 11914, 11918, 11920, 11926, 11930, 11932, 11938, 11942, 11944, 12197, 12227, 12243, 12258, 12270, 12285, 12325, 12354, 12367, 12381, 12394, 12408, 12496, 12525, 12540, 12554, 12565, 12579, 12618, 12646, 12658, 12671, 12683, 12696, 12783, 12813, 12829, 12844, 12856, 12871, 12911, 12940, 12953, 12967, 12980, 12994, 13082, 13112, 13128, 13143, 13155, 13170, 13210, 13239,
\@tempswafalse 1951, 1952, 6980, 7027, 10849, 10906, 11975, 16837, 21885, 22625, 23398, 25944, 25987	\@textsuperscript . . 479, 482, 772, 834, 836, 1024, 1088, 1274, 1336, 1338, 4492, 4495, 8116, 8118, 9338, 9515, 9654, 9657, 11413, 11416, 11510, 11513, 15580, 15583, 19293, 20781, 20843, 20845, 20920, 20984, 20986, 21180, 21187, 21223, 21230, 21409, 21412	
\@tempwattrue . 1951, 6979, 7024, 10843, 10900, 11977, 21881, 22621, 23394, 26438	\@texttop . 15362, 16764	
\@temptokena 121, 125, 17974, 17978, 20119	\@tfor 4826, 15644	
\@tempx 9073, 9074, 17504, 17516	\@thanks 458, 466, 494, 502, 803, 809, 848, 854, 1055, 1061, 1100, 1106, 1305, 1311, 1350, 1356, 4497, 4503, 9369, 9375, 9546, 9552, 9633, 9641, 9669, 9677, 11394, 11400, 11428, 11434, 11489, 11497, 11525, 11533, 15561, 15567, 15595, 15601, 16268, 16282, 16285, 19286, 19309, 20812, 20818, 20857, 20863, 20951, 20959, 20998, 21006, 21201, 21209, 21242, 21250, 21388, 21396, 21424, 21432, 21878, 21897, 21920, 22001, 22011, 22618, 22637, 22660,	
\@tempxi 9076, 9077, 17535, 17547		
\@tempxii 9079, 9080, 17566, 17578		
\@tempy 4758, 4759		
\@tempyi 4761, 4762		
\@tempyii ... 4764, 4765		
\@tencol@LTRfootgroupv@l 14530, 14555		
\@tencol@footgroupv@r 14526, 14551		
\@tencolLTRfootfmt . 14625, 14640, 14680, 14749, 14763		
\@tencolLTRfootnotetext 14521, 14618		
\@tencolRTLfootfmt . 14652, 14667, 14683, 14776, 14790		
\@tencolRTLfootnotetext 14522, 14645		
\@tencolfootfmt 14579, 14609, 14677, 14707, 14736		
\@tencolfootnotetext 14520, 14566		
\@testopt 5745, 5763, 18475, 18476		
\@testpach 352, 1405, 1450, 24167, 26367		



13252,	13266,	17508,	17539,	9526, 9554, 9623,
13279,	13293,	17570,	17633,	9644, 9680, 9694,
13381,	13411,	17936,	20781,	10760, 11384,
13427,	13442,	20843,	20845,	11403, 11437,
13454,	13469,	20920,	20984,	11449, 11479,
13509,	13538,	20986,	21180,	11500, 11536,
13551,	13565,	21187,	21223,	11550, 15551,
13578,	13592,	21230, 21409, 21412		15570, 15604,
13680,	13710,	\@thefoot . . . 15819,		15616, 19287,
13726,	13741,	15822, 15826,		20790, 20792,
13753,	13768,	26754, 26760,		20820, 20865,
13808,	13837,	26768, 26771, 26806		20878, 20929,
13850,	13864,	\@thehead . . . 15818,		20931, 20961,
13877,	13891,	15821, 15825,		21008, 21024,
13979,	14009,	26754, 26760,		21035, 21191,
14025,	14040,	26767, 26770, 26790		21212, 21253,
14052,	14067,	\@themargin . 15875,		21267, 21378,
14107,	14136,	16934, 16936,		21399, 21435,
14149,	14163,	16941, 16943,		21449, 21860,
14176,	14190,	16947, 16949,		22014, 22600,
14278,	14308,	26756, 26758,		22754, 23373, 23527
14324,	14339,	26762, 26764, 26783		\@titlecolour 4971, 4988
14351,	14366,	\@thm 20008, 20029		\@titlehead
14406,	14435,	\@thmcountersep . . .		. 21849, 21851,
14448,	14462,	. . . . . 350, 26180		22018, 22589,
14475,	14489,	\@threecol@LTRfootgroupv@1		22591, 22758,
14577,	14607,	. . . . 12449, 12474		23362, 23364, 23531
14623,	14638,	\@threecol@footgroupv@r		\@titlepageiscoverpagefalse
14650,	14665,	. . . . 12445, 12470		21800, 22540, 23313
14705,	14734,	\@threecol@LTRfootfmt		\@tocextra
14747,	14761,	. 12542, 12556,		. 24374, 24375,
14774,	14788,	12593, 12660, 12673		24379, 24381, 24384
15073,	15104,	\@threecol@LTRfootnotetext		\@tocline . 2, 197, 17942
15122,	15138,	. . . . 12440, 12535		\@tocpagenum
15152,	15168,	\@threecol@RTLfootfmt		. . . 15, 210, 17955
15207,	15237,	. 12567, 12581,		\@tocrmarg . . 19677,
15251,	15266,	12596, 12685, 12698		19689, 19701,
15280,	15295,	\@threecol@RTLfootnotetext		20623, 24419,
15580,	15583,	. . . . 12441, 12560		24450, 24473,
16102,	16107,	\@threecol@footfmt .		24490, 24507,
16111,	16116,	. 12498, 12527,		24524, 24541,
16138,	16155,	12590, 12620, 12648		24558, 24576,
16171,	16200,	\@threecol@footnotetext		24595, 24615,
16215,	16230,	. . . . 12439, 12485		24650, 24701,
16273,	16278,	\@title 320, 448, 469,		25244, 25251,
16288,	16293,	505, 519, 781,		25561, 25678, 26384
16329,	16333,	783, 811, 856,		\@todonotes@MissingFigureDown
16335,	16341,	869, 1033, 1035,		. . . . . 25840
16345,	16347,	1063, 1108, 1121,		\@todonotes@MissingFigureText
16353,	16357,	1283, 1285, 1313,		. . . . . 25817
16359,	16779,	1358, 1372, 1383,		\@todonotes@MissingFigureUp
17286,	17297,	4506, 4941, 5002,		. . . . . 25839
17308,	17319,	8649, 8734, 9347,		\@todonotes@author
17437,	17475,	9349, 9377, 9524,		. . . . . 25750,



25761, 25786, 25804	26222, 26226,	23397, 23404,
\@todonotes@currentfigcolor	26228, 26230,	23413, 23448, 23534
..... 25821	26265, 26267,	\@urlbordercolor ..
\@todonotes@currentfigheight	26268, 26269,	..... 17735, 17737
..... 25822	26274, 26276,	\@urlcolor 17749
\@todonotes@currentfigwidth	26277, 26278,	\@viipt 7267,
..... 25822,	26283, 26285,	8487, 20063, 20076
25824, 25834, 25837	26286, 26287,	\@viipt 8487, 20063, 20076
\@todonotes@drawInlineNote	26292, 26294,	\@viper 10193,
..... 25745	26295, 26296, 26726	10195, 10197,
\@todonotes@drawLineToLeftMargin	\@twocol@LTRfootgroupv@l	10252, 10254,
..... 25773, 25776	..... 9022, 9114	10256, 10270,
\@todonotes@drawLineToRightMargin	\@twocol@footgroupv@r	10277, 10521,
..... 25773, 25776	..... 12146, 12171	10572, 19634,
\@todonotes@drawMarginNote	\@twocol@footfmt	19649, 19651, 19656
25772, 25775, 25779	..... 12245, 12260,	\@viperoutput
\@todonotes@drawMarginNoteWithLine	12300, 12369, 12383	..... 10199, 10258
..... 25767	\@twocol@footnotetext	\@vipt 8488
\@todonotes@ifdisabled	..... 12141, 12238	\@vpt 8488
..... 25846	\@twocolRTLfootfmt	\@whilesw
\@todonotes@sizecommand	..... 12272, 12287,	..... 10191, 10250,
..... 25750,	12303, 12396, 12410	15717, 15757,
25752, 25759,	\@twocolRTLfootnotetext	15841, 16595,
25761, 25763,	..... 12142, 12265	16648, 19525,
25786, 25788,	\@twocolfootfmt ...	19622, 26485, 26528
25800, 25803,	..... 12199, 12229,	\@wholewidth
25804, 25806, 25809	12297, 12327, 12356	..... 15646, 15648, 15666
\@todonotes@text ..	\@twocolfootnotetext	\@width . 31, 235, 394,
..... 25750, 25752,	..... 12140, 12186	565, 753, 988,
25761, 25763,	\@twosidefalse ... 7242	1233, 1523, 9310,
25786, 25788,	\@twosidettrue 7237	9463, 9739, 9944,
25801, 25807, 25810	\@typeset@protect .	10166, 10231,
\@todonotes@textwidth	..... 4697,	10463, 10482,
..... 25784	4703, 4709, 4724	10790, 11368,
\@toodeep .. 2569, 26187	\@undeclaredcolor .	11667, 11718,
\@topnum .. 111, 314,	..... 9957,	15517, 15746,
491, 845, 1097,	9965, 25937, 25938	16049, 16051,
1347, 8727, 9666,	\@undefined	16496, 16584,
11425, 11522,	4755, 18480, 19407	16631, 17933,
15592, 17964,	\@undottedtocline 19674	18004, 18495,
19306, 20854,	\@unexpandable@protect	18546, 18662,
20995, 21239, 21421	..... 5796, 7139	19507, 19609,
\@topsep .. 20022, 20042	\@unrecurse 24064, 24067	19752, 19763,
\@topsepadd	\@uppertitleback ..	19795, 19846,
4669, 20023, 20043	..... 21884, 21891,	20733, 21156,
\@totalleftmargin .	21900, 21935,	21312, 21494,
..... 16518,	22021, 22624,	21771, 22511,
16522, 16525,	22631, 22640,	23284, 24040,
16534, 18640,	22675, 22761,	24079, 26350,
20025, 20026,		26468, 26517, 26717
20045, 20046,		\@x 9131, 9132
20597, 26206,		\@x@sf 8125,
26208, 26214,		8130, 8136, 8139
26216, 26220,		\@xLTRfootnote



707, 714, 916,	23263, 24300,	\adl@height 1489
933, 951, 1172,	24301, 25028,	\adl@inactivate . . .
1190, 1198, 9245,	25038, 25042, 25046	. . . . . 1401, 1483
9261, 9268, 9422,	\addvspace 5,	\adl@LT@array . . . 17805
9438, 9445, 9709,	200, 535, 552,	\adl@noalign 1402
9724, 11296,	690, 708, 715,	\adl@org@activate 1484
11310, 11565,	917, 934, 952,	\adl@org@classz . . 1527
15467, 15482,	1173, 1191, 1199,	\adl@org@endpbox . 1485
17945, 20692,	8530, 8587, 9246,	\adl@org@inactivate
20708, 20715,	9262, 9423, 9439,	. . . . . 1483
21064, 21080,	9710, 11297,	\adl@putlrc . . 1438,
21087, 21280,	11311, 11566,	1439, 1440, 1468,
21294, 21464,	15468, 17945,	1469, 1470,
21479, 24281,	20693, 20709,	1476, 1477, 1478
24283, 24412,	21065, 21081,	\adl@startmbox . . . 1441
24414, 24447,	21281, 21465,	\advance 12, 90,
24469, 24833,	24416, 24470,	207, 293, 311,
24836, 24840,	24834, 24841,	390, 558, 605,
24945, 24948, 24952	24946, 24949,	721, 740, 907,
\address 321, 5003	24953, 24983, 25495	923, 1003, 1205,
\addresscolour	\adjmc@inner 134	1253, 1488, 1522,
. . 4972, 10600,	\adjmc@outer 136	1882, 1883, 1899,
10698, 10704,	\adjmc@page@sofar@orig	1913, 1967, 1969,
10710, 10716, 10722	. . . . . 164	1971, 1972, 2033,
\addressfont	\adjmult@cols 163	2041, 2211, 2212,
. . . 4981, 4989,	\adjmulticols 132	2428, 2477, 2478,
5100, 10638,	\adl@act@classz . . 1526	2490, 2494, 2495,
10666, 10730, 10764	\adl@act@CT@setup .	2570, 2594, 2615,
\addresssymbol . . . .	. . . . . 1484, 1491	2649, 2656, 2660,
4963, 10668, 10767	\adl@activate 1401, 1484	2662, 2666, 2667,
\addresstyle 4989	\adl@argarraydashrule	2914, 2915, 3264,
\addtocontents . . 24698	. . . . . 1420, 1458	3266, 3546, 3554,
\addtocounter 3028, 3029	\adl@array . . 1398, 1403	3556, 3622, 3694,
\addtoheadtemplate 3993	\adl@arraydashrule	3695, 3697, 3698,
\AddToHook . . . . .	. . . . . 1419, 1457	3712, 4288, 4289,
. . 6079, 6120, 6160	\adl@arrayinit . . 1400	4290, 4465, 4470,
\addtolength	\adl@arrayrestore 1395	4833, 4847, 4853,
. . . 3361, 3365,	\adl@arrayrule	5119, 5163, 5198,
3368, 4923, 4924,	. . . . . 1418, 1456	5529, 5583, 5637,
4925, 4926, 4927,	\adl@box 1441, 1443, 1444	6367, 6526, 6532,
4928, 5026, 5027,	\adl@class@iiiorvii	6542, 6597, 6614,
5029, 5031, 5032,	. . . . . 1447, 1480	6623, 7151, 7760,
5035, 7344, 7347,	\adl@class@start . .	8466, 8541, 8892,
7348, 7351, 8502,	. . . . . 1446, 1479	8900, 8901, 9172,
10746, 10747,	\adl@CT@setup	9275, 9297, 9452,
10748, 11159,	. . 1483, 1486, 1487	9485, 9731, 9794,
16991, 16992,	\adl@depth 1490	9943, 9951, 9952,
21737, 21744,	\adl@endarray . . . 1395	9992, 10104,
21745, 21748,	\adl@endmbox . . . 1442	10270, 10271,
21750, 22476,	\adl@everyvbox	10274, 10277,
22484, 22485,	. . . . . 1399, 1400	10278, 10328,
22488, 22490,	\adl@extract@arc . 1495	10329, 10330,
23249, 23257,	\adl@extract@dgc . 1498	10392, 10532,
23258, 23261,	\adl@extract@drsc 1496	10533, 10548,



10567,	10568,	19681,	19694,	26206,	26208,
10798,	10808,	19706,	19719,	26214,	26216,
10809,	10819,	19848,	19849,	26220,	26222,
10829,	10830,	20020,	20024,	26226,	26228,
10846,	10847,	20025,	20040,	26324,	26325,
10848,	10865,	20044,	20045,	26389,	26415,
10874,	10881,	20053,	20144,	26690,	26691,
10903,	10904,	20166,	20194,	26698,	26699,
10905,	10919,	20201,	20249,	26700, 26701, 26726	
10926,	10933,	20254,	20255,	\afterassignment ..	
11080,	11081,	20256,	20285,	..... 4106,	
11090,	11091,	20286,	20312,	4108, 4393,	
11107,	11109,	20323,	20478,	4395, 5797, 6606,	
11113,	11115,	20480,	20485,	7990, 24137, 24138	
11119,	11122,	20488,	20531,	\aftergroup .. 4651,	
11123,	11124,	20722,	20749,	4661, 6809, 6811,	
11303,	11356,	21094,	21143,	6821, 6823, 6833,	
11627,	12039,	21184,	21227,	6835, 6853, 6855,	
12064,	12131,	21301,	21337,	6864, 6866, 6875,	
12133,	14844,	21486,	21540,	6877, 7974, 7989,	
14850,	14895,	21605,	21714,	9955, 9957, 9964,	
14897,	14948,	21716,	22072,	9970, 9989,	
14950,	15000,	22123,	22451,	10281, 10287,	
15002,	15051,	22833,	22884,	10290, 15862,	
15053,	15324,	23226,	23228,	15864, 20368,	
15426,	15427,	23598,	23649,	20369, 20372,	
15428,	15489,	23992,	24063,	20377, 20378,	
15531,	15646,	24077,	24087,	20382, 20387,	
15648,	15650,	24107,	24202,	20388, 20392,	
15656,	15657,	24240,	24256,	20396, 20400,	
15664,	15665,	24269,	24273,	20404, 22150,	
15666,	15834,	24305,	24306,	22152, 22155,	
15835,	16391,	24326,	24428,	22911, 22913,	
16405,	16418,	24459,	24482,	22916, 23676,	
16419,	16451,	24499,	24516,	23678, 23681,	
16456,	16457,	24533,	24550,	24274, 25486,	
16460,	16469,	24567,	24585,	25926, 25935,	
16533,	16660,	24604,	24624,	25937, 25974,	
16661,	16665,	24659,	24700,	25978, 26031,	
16666,	16668,	24849,	24853,	26042, 26043,	
16669,	16672,	24964,	24999,	26046, 26051,	
16673,	16674,	25002,	25006,	26052, 26056,	
16675,	16794,	25059,	25484,	26061, 26062,	
17640,	17650,	25504,	25509,	26066, 26071,	
17906,	17952,	25559,	25560,	26075, 26080,	
18488,	18500,	25561,	25564,	26736, 26746, 26747	
18563,	19460,	25568,	25593,	\ALG@floatstyle ...	
19462,	19489,	25604,	25683,	.. 7775, 7776, 7777	
19490,	19493,	25706,	25860,	\algocf@float ... 26889	
19560,	19562,	25862,	25872,	\algocf@makecaption 188	
19589,	19590,	25891,	25892,	\algocf@within	
19593,	19647,	25921,	25932,	..... 166, 168,	
19648,	19649,	25933,	26189,	26891, 26892, 26893	
19650,	19659,	26202,	26203,	\alignL 9890	



\alignR	9897	21257, 21403,	18159, 18241,
\allowbreak		21439, 21783,	20609, 24053, 25633
. 10804, 10825,		22035, 22523,	\AtBeginPackage . 19389
12299, 12302,		22775, 23296, 23548	\AtEndDocument
12305, 12592,		\andify 116, 17969	... 4316, 5102,
12595, 12598,		\andname .. 824, 1076,	6140, 7056, 9067,
12885, 12888,		1326, 20833, 20974	9124, 18767,
12891, 13184,		\andnext 19285	18818, 18836, 26436
13187, 13190,		\AppendToTokenList 6473	\AtEndOfClass 4937
13483, 13486,		\ar@ialign 400	\AtPageLowerLeft 11071
13489, 13782,		\arabic 19,	\AtPageUpperLeft ..
13785, 13788,		20, 21, 22, 86,	11071, 11095, 11125
14081, 14084,		214, 215, 216,	\AtTextUpperLeft ..
14087, 14380,		217, 289, 329,	.... 11075, 11101
14383, 14386,		15797, 15803,	\author 321,
14679, 14682, 14685		17902, 17959,	471, 507, 814,
\Alph	19328	17960, 17961,	859, 1066, 1111,
\alt	2762	17962, 24640, 26889	1316, 1361, 4508,
\AM@CheckAtEnd ..	20157	\array 432, 26364	8633, 8665, 9380,
\AM@ClearShipoutPicture	20159	\arraycolsep 432	9557, 9646, 9682,
\AM@currentdocname	20122, 20128	\arraylinesep ... 24070	11405, 11439,
\AM@findfile ...	20126	\arrayrulecolor .. 1495	11502, 11538,
\AM@output 20155		\arrayrulewidth . 24087	15572, 15606,
\AM@pagecount ... 20124		\arraystretch 392, 393, 4645,	20823, 20868,
\AM@pageref 20139, 20142		4656, 18493,	20964, 21011,
\AM@pagestemp		18494, 24038,	21214, 21255,
. 20132, 20137,		24039, 24074,	21401, 21437,
20138, 20141,		26175, 26348, 26349	22024, 22764, 23537
20149, 20150, 20154		\aslice 20292, 20293,	\auto@footnoterule
\AM@readlist ... 20154		20295, 20297,	.... 16065, 16076
\AM@split@options 20118		20298, 20300,	\autodot 22039,
\AM@temp .. 20119, 20120		20313, 20314, 20316	22778, 23551, 25696
\AM@threadname		\At@ViperColsBreak	\autofootnoterule .
20117, 20127, 20128		.... 10295, 10298	..... 4199,
\AM@xrprefix		\AtBeginCaption . 18144	10784, 11712,
20135, 20139, 20142		\AtBeginDocument ..	16074, 16775, 26840
\and 473, 509, 790, 816,		..... 1530,	
819, 861, 1042,		2150, 3035, 3268,	B
1068, 1071, 1113,		3497, 3567, 3615,	\backmatter
1292, 1318, 1321,		3735, 3823, 3918,	. 8837, 9779, 11612
1363, 1385, 4510,		3983, 3997, 4097,	\Backref@HyperLTRFootnote
9356, 9382, 9533,		4244, 4938, 4998,	.... 16305, 16312
9559, 9648, 9684,		5095, 6114, 7204,	\Backref@HyperRTLFootnote
11407, 11441,		7353, 7580, 7714,	.... 16311, 16315
11504, 11540,		7719, 7772, 8583,	\Backref@HyperSymbol
15574, 15608,		8783, 8848,	..... 16313,
19284, 20121,		10677, 10791,	16316, 16319, 16322
20799, 20825,		10812, 10833,	\Backref@OptHyperLTRFootnote
20828, 20870,		11263, 14891,	..... 16318
20938, 20966,		14944, 14996,	\Backref@OptHyperRTLFootnote
20969, 21013,		15047, 15439,	..... 16321
21037, 21216,		16178, 16783,	\Backref@OptLTHyperFootnote
		17255, 18152,	..... 16305



\Backref@OptRTLHyperFootnote	8146,	8164,	13915,	13975,
..... 16311	8182,	11744,	14005,	14021,
\BackrefFootnoteTag	11760,	11775,	14036,	14048,
. 16303, 16304,	11791,	11806,	14063,	14103,
16309, 16310,	11821,	11834,	14132,	14145,
16329, 16333,	11846,	11858,	14159,	14172,
16335, 16341,	11871,	12193,	14186,	14197,
16345, 16347,	12223,	12239,	14203,	14209,
16353, 16357, 16359	12254,	12266,	14214,	14274,
\badness 10321,	12281,	12321,	14304,	14320,
10325, 10353,	12350,	12363,	14335,	14347,
10357, 10359,	12377,	12390,	14362,	14402,
10364, 10368,	12404,	12415,	14431,	14444,
10372, 10436, 10457	12421,	12427,	14458,	14471,
\baselineskip .. 413,	12432,	12492,	14485,	14496,
752, 754, 758,	12521,	12536,	14502,	14508,
760, 1232, 1234,	12550,	12561,	14513,	14573,
1238, 1240, 2446,	12575,	12614,	14603,	14619,
2867, 2882, 2897,	12642,	12654,	14634,	14646,
2984, 2986, 3014,	12667,	12679,	14661,	14701,
3020, 3163, 5737,	12692,	12702,	14730,	14743,
7286, 7288, 7291,	12708,	12714,	14757,	14770,
7293, 7295, 7298,	12719,	12779,	14784,	14795,
7453, 8083, 8150,	12809,	12825,	14801,	14807,
8168, 8186, 8303,	12840,	12852,	14812,	15069,
8312, 8321, 8402,	12867,	12907,	15100,	15118,
8409, 8416, 8423,	12936,	12949,	15134,	15148,
8430, 8530, 8587,	12963,	12976,	15164,	15203,
8930, 8991, 9055,	12990,	13001,	15233,	15247,
9061, 9309, 9311,	13007,	13013,	15262,	15276,
9315, 9317, 9462,	13018,	13078,	15291,	15309,
9464, 9468, 9470,	13108,	13124,	15320, 15334, 15343	
10105, 10106,	13139,	13151,	\BCmd	4650
10123, 10127,	13166,	13206,	\BDefaboveskip	
10534, 15872,	13235,	13248,	.. 4665, 4680, 4683	
16406, 18509,	13262,	13275,	\BDefbelowskip	
18519, 18643,	13289,	13300,	.. 4669, 4681, 4684	
18660, 20247,	13306,	13312,	\BDefinlineskip ...	
20250, 20264,	13317,	13377,	.. 4674, 4682, 4685	
20288, 20292,	13407,	13423,	\beamer@tmpop@button@default	
20297, 20301,	13438,	13450,	..... 2905	
20313, 20324,	13465,	13505,	\beamer@tmpop@caption@default	
20351, 20604,	13534,	13547,	..... 2834	
20732, 20734,	13561,	13574,	\beamer@tmpop@footline@progressbar	
20738, 20740,	13588,	13599,	..... 3354	
21155, 21157,	13605,	13611,	\beamer@tmpop@footnote@default	
21161, 21163,	13616,	13676,	..... 2811	
21813, 22553,	13706,	13722,	\beamer@biblabeltemplate	
23326, 24049,	13737,	13749,	..... 2613, 2622	
24088, 25860,	13764,	13804,	\beamer@boxsize ...	
25868, 25872,	13833,	13846,	.. 2660, 2664, 2666	
26360, 26780, 26803	13860,	13873,	\beamer@colalign . 2196	
\baselinestretch ..	13887,	13898,	\beamer@colbox@color	
..... 4953,	13904,	13910,	.. 1953, 1992, 2005	



<code>\beamer@colbox@colsep</code>	<code>\beamer@focus@totalframes</code>	<code>\beamer@LTRfootnotetext</code>
... 1970, 1971,	... 3363, 3388, 3408	... 2398, 2412, 2419
1972, 1973, 1981		
<code>\beamer@colbox@colseps</code>	<code>\beamer@footarg</code> 2351,	<code>\beamer@minislide</code> .
..... 1975,	2352, 2353, 2357,	..... 2683, 2688
1982, 2006,	2364, 2377, 2378,	<code>\beamer@minislidehighlight</code>
2008, 2010, 2012	2379, 2383, 2390,	..... 2676
<code>\beamer@colbox@dp</code> 1987	2403, 2404,	<code>\beamer@minislidewidth</code>
<code>\beamer@colbox@ht</code> 1986	2405, 2409, 2416	..... 2678
<code>\beamer@colbox@ls</code> 1966	<code>\beamer@footins</code> 2239,	<code>\beamer@mpfn</code> . 2347,
<code>\beamer@colbox@rs</code> 1968	2244, 2256, 2261,	2358, 2364, 2373,
<code>\beamer@colbox@sep</code>	2273, 2278, 2541	2384, 2390,
..... 1967,	<code>\beamer@footnotetext</code>	2399, 2410, 2416
1969, 1977, 1979	.. 2346, 2360, 2367	<code>\beamer@next</code> . 2358,
<code>\beamer@colbox@shadow</code>	<code>\beamer@framebox</code> ..	2362, 2369, 2384,
..... 1991	... 2502, 2514,	2388, 2395,
<code>\beamer@colbox@wd</code> .	2527, 2532, 2536	2410, 2414, 2421
.. 1964, 1985, 1994	<code>\beamer@framefootnotetext</code>	<code>\beamer@putleft</code> 3057,
<code>\beamer@colclose</code> ..	..... 2238, 2337	3090, 3102, 3114
..... 2192,	<code>\beamer@frameLTRfootnotetext</code>	<code>\beamer@putright</code> ..
2193, 2224, 2225	..... 2272, 2339	.. 3091, 3103, 3115
<code>\beamer@colentrycode</code>	<code>\beamer@frameRTLfootnotetext</code>	<code>\beamer@rightmargin</code>
.. 2202, 2205, 2223	..... 2255, 2338	..... 2015,
<code>\beamer@colexitcode</code>	<code>\beamer@frametextheight</code>	2040, 2111, 2212,
.. 2203, 2215, 2225	..... 2468,	2217, 3547,
<code>\beamer@colheadskip</code>	2489, 2498,	3555, 3695, 3698
..... 2197	2502, 2505, 2518	<code>\beamer@rightsidebar</code>
<code>\beamer@colmode</code> .. 2191	<code>\beamer@frametitlebox</code>	.. 2041, 2478, 2495
<code>\beamer@columncom</code> 2191	..... 2534	<code>\beamer@RTLfootnotetext</code>
<code>\beamer@compute pref</code>	<code>\beamer@framezoom</code> 2425	.. 2372, 2386, 2393
..... 2549, 2571	<code>\beamer@ftleft</code> .. 3264	<code>\beamer@section@min@dim</code>
<code>\beamer@cramped</code> ..	<code>\beamer@fteright</code> . 3266	..... 2669
.. 2562, 2588, 2603	<code>\beamer@gobbleoptionalinsp</code>	<code>\beamer@shortinstitute</code>
<code>\beamer@defaultspec</code>	..... 2762	..... 3433
..... 2568	<code>\beamer@headheight</code>	<code>\beamer@sidebarformat</code>
<code>\beamer@descdefault</code>	... 3539, 3547,	..... 3600
..... 2594, 2602	3550, 3551, 3583,	<code>\beamer@sidebarside</code>
<code>\beamer@descriptionitem</code>	3587, 3590, 3594	..... 3574,
..... 2602	<code>\beamer@kvorig</code> 2349,	3616, 3619, 3641
<code>\beamer@dima</code>	2355, 2375,	<code>\beamer@sidebarwidth</code>
... 2914, 2929,	2381, 2401, 2407	..... 3546,
2934, 2945, 2950	<code>\beamer@labelzoomed</code>	3578, 3583, 3584,
<code>\beamer@dimb</code> . 2915,	... 2430, 2434,	3586, 3589, 3590,
2930, 2931, 2933,	2461, 2463, 2464	3602, 3604, 3613,
2946, 2947, 2949	<code>\beamer@leftmargin</code>	3616, 3621, 3639
<code>\beamer@dogeometryfalse</code>	... 2015, 2032,	<code>\beamer@slidehaszoomtrue</code>
..... 2028	2208, 2211, 2503,	..... 2427
<code>\beamer@entrycode</code> 2533	2505, 2518, 3547,	<code>\beamer@stalign</code> .. 2638
<code>\beamer@enum@</code> 2548	3553, 3694, 3697	<code>\beamer@stend</code> 2641
<code>\beamer@enumtempl</code> 2557	<code>\beamer@leftsidebar</code>	<code>\beamer@stlinebreakrule</code>
<code>\beamer@exitcode</code> . 2539	.. 2033, 2477, 2494	..... 2639
<code>\beamer@firstlineitemizeunskip</code>	<code>\beamer@lefttext</code> ..	<code>\beamer@ststart</code> .. 2635
..... 1844,	..... 3574, 3641	<code>\beamer@temp</code>
2564, 2590, 2605	<code>\beamer@link</code> 2670	.. 2488, 2510, 2523



<code>\beamer@tempbox</code>	1954, 1985, 1986, 1987, 1995, 1998, 1999, 2001, 2004, 2009, 2014, 2015, 2017, 2069, 2070, 2071, 2072, 2077, 2080, 2091, 2096, 2097, 2105, 2106, 2107, 2108, 2111, 2120, 2125, 2126, 2134, 2135, 2136, 2137, 2173, 2174, 2175, 2176, 2181, 2185, 2186, 2187, 2188, 2909, 2910, 2911, 2912, 2913, 2918, 2958, 3314, 3319, 3323, 3327, 3331, 3335, 3700, 3711, 3728, 3948, 3949, 3967, 3968	<code>\beamer@vboxoffset</code>	2659	3149, 3170, 3185,
<code>\beamer@tempdim</code>	... 2032, 2033, 2035, 2037, 2040, 2041, 2043, 2045, 2070, 2071, 2074, 2075, 2105, 2106, 2134, 2135, 2174, 2175, 2178, 2179, 2210, 2211, 2212, 2213, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2913, 2914, 2915, 2919, 2921, 2927, 2935, 2943, 2951, 2957, 3621, 3622, 3628, 3636, 3696, 3697, 3698, 3711, 3712, 3713, 3722	<code>\beamer@vmode</code>	1940, 1978	3187, 3192, 3194, 3199, 3205, 3219, 3221, 3223, 3294, 3295, 3301, 3302, 3321, 3329, 3374, 3400, 3432, 3435, 3438, 3459, 3461, 3466, 3468, 3485, 3486, 3507, 3509, 3513, 3516, 3519, 3525, 3573, 3602, 3604, 3656, 3658, 3663, 3665, 3700, 3713, 3714, 3720, 3749, 3750, 3751, 3768, 3773, 3776, 3789, 3795, 3797, 3811, 3812, 3813, 3837, 3838, 3839, 3849, 3852, 3858, 3861, 3868, 3871, 3885, 3890, 3892, 3905, 3906, 3907, 3928, 3931, 3934, 3940, 3943, 3959, 3962, 3977, 4644, 4646, 4655, 4657, 4660, 5053, 5057, 5059, 5061, 5063, 5067, 5075, 5078, 5113, 5226, 5230, 5250, 5254, 5281, 6177, 6178, 6185, 6211, 6913, 7359, 7360, 7373, 7376, 7450, 7451, 7457, 7458, 7465, 7466, 7491, 7492, 7529, 7532, 7535, 7538, 7542, 7543, 7727, 7728, 8346, 8402, 8409, 8416, 8423, 8430, 8443, 8451, 8573, 8578, 8711, 8758, 8781, 9156, 9330, 9343, 9354, 9507, 9520, 9531, 9575, 9587, 9612, 9622, 9627, 9690, 9698, 10008, 10018, 10031, 10041, 10054, 10064, 10077,
<code>\beamer@themerounded@shadow</code>	... 3259	<code>\beamer@xkvorig</code>	2350, 2356, 2376, 2382, 2402, 2408	
<code>\beamer@thempfn</code>	2348, 2359, 2365, 2374, 2385, 2391, 2400, 2411, 2417	<code>\beamer@xpos</code>	... 2649, 2654, 2665	
<code>\beamer@typesetheadorfoot</code>	... 2139, 2144, 2154	<code>\beamer@ypos</code>	... 2655, 2656, 2661	
<code>\beamer@usesphere</code>	... 1743, 1748, 1754, 1767, 1782, 1789	<code>\beamer@ypos@offset</code>	... 2652, 2656	
		<code>\beamer@zoomborderwidth</code>	... 2429, 2433	
		<code>\beamer@zoombox</code>	... 2458	
		<code>\beamer@zoomcount</code>	... 2428, 2430	
		<code>\beamer@zoomer</code>	... 2466	
		<code>\beamer@zoomframecount</code>	... 2430	
		<code>\beamerboxesrounded</code>	... 1843	
		<code>\beamercolorbox</code>	... 2903	
		<code>\beameritemnestingprefix</code>	... 1716, 1717, 2549, 2550, 2552, 2553, 2560, 2561, 2571, 2572, 2574, 2575, 2578, 2582, 2583	
		<code>\beameroriginal</code>	... 2762	
		<code>\beamertemplatedotitem</code>	... 3995	
		<code>\begin</code>	... 437, 447, 452, 515, 523, 764, 777, 788, 867, 873, 1016, 1029, 1040, 1119, 1125, 1266, 1279, 1290, 1370, 1376, 1385, 1387, 1388, 1587, 1766, 1802, 1811, 1820, 1830, 1863, 1885, 1911, 1923, 1990, 2194, 2196, 2200, 2443, 2505, 2518, 2636, 2707, 2711, 2730, 2734, 2750, 2754, 2858, 2866, 2873, 2881, 2888, 2896, 2921, 2979, 2985, 2992, 3009, 3015, 3021, 3061, 3068, 3074, 3080,	



10087,	10652,	25797,	25820,	16450,	16592,
10758,	10763,	25824,	25830, 25837	16645,	16819,
10781,	10950,	\begin@bidi@stack .		16835,	17005,
10953,	10957,	.....	5220,	17284,	17295,
10959,	10964,	5230,	5231,	17306,	17317,
10966,	10970,	5244,	5254, 5255	17415,	17435,
10973,	10976,	\begin@group 6,		17473,	17506,
10980,	10982,	119,	201, 302,	17537,	17568,
10986,	10988,	315,	380, 396,	17802,	17817,
10992,	10995,	477,	537, 554,	17946,	17972,
10998,	11002,	691,	717, 831,	18136,	18497,
11004,	11009,	919,	935, 1083,	19291,	19421,
11011,	11182,	1174,	1201, 1333,	19522,	19619,
11248,	11375,	1514,	1932, 1933,	19829,	19833,
11383,	11388,	2068,	2172, 2363,	19837,	20115,
11447,	11453,	2389,	2415, 2441,	20163,	20460,
11468,	11478,	2509,	2522, 4490,	20694,	20718,
11483,	11546,	4779,	4787, 4795,	20840,	20981,
11554,	11646,	5174,	5202, 5221,	21066,	21090,
15542,	15550,	5245,	5487, 5512,	21220,	21282,
15555,	15614,	5863,	5909, 5916,	21297,	21407,
15620,	15764,	5946,	5962, 5978,	21467,	21482,
17006,	17011,	6021,	6029, 6062,	21803,	21949,
17029,	17132,	6112,	6240, 6448,	22062,	22121,
17134,	17148,	6450,	6480, 6490,	22543,	22689,
17150,	17994,	6500,	6630, 6703,	22823,	22882,
19434,	20060,	6727,	6742, 6808,	23316,	23462,
20773,	20786,	6819,	6831, 6852,	23588,	23647,
20797,	20876,	6862,	6873, 7023,	24136,	24253,
20882,	20910,	7137,	7149, 7184,	24277,	24417,
20925,	20936,	7553,	7972, 8218,	24844,	24956,
21020,	21028,	8247,	8276, 8650,	25482,	25599,
21037,	21039,	8667,	8683, 8695,	25939,	25982,
21040,	21170,	8728,	9032, 9092,	26031,	26153,
21190,	21195,	9099,	9106, 9136,	26482,	26525, 26736
21271,	21367,	9247,	9271, 9424,	\beginL 176,	
21377,	21382,	9448,	9652, 9712,	1499,	1962, 3091,
21445,	21453,	9727,	9816, 9935,	3103,	3115, 4141,
21786,	21790,	9989,	9998,	4420,	5100, 7834,
21850,	21855,	10188,	10247,	7878,	9920, 9949,
21867,	21890,	11076,	11102,	9955,	9957, 9989,
21894,	22063,	11299,	11312,	12128,	15659,
22526,	22530,	11411,	11508,	15768,	15783,
22590,	22595,	11567,	14882,	15950,	16785,
22607,	22630,	14892,	14935,	16791,	16800,
22634,	22824,	14945,	14987,	16820,	16836,
23299,	23303,	14997,	15038,	16846,	17639,
23363,	23368,	15048,	15469,	18105,	20164,
23380,	23403,	15485,	15578,	20227,	20362,
23407,	23589,	15716,	15754,	20368,	20384,
24319,	25747,	15838,	15854,	20460,	21652,
25754,	25757,	16105,	16114,	21663,	21670,
25768,	25781,	16276,	16291,	21680,	24204,
25784,	25791,	16365,	16417,	25930,	25935,



25937, 26031,	23806, 23819, 26830	20386, 20390,
26036, 26042,	\belowdisplaysshortskip	20395, 20398,
26058, 26632,	... 7261, 7270, 8480	20403, 20668,
26710, 26790, 26806	\belowdisplayskip .	21118, 24028,
\beginR 174,	..... 7262,	24036, 24044,
336, 348, 380,	7275, 7310, 8485	24050, 24081,
417, 1500, 3319,	\bf .. 4426, 20233, 20235	24085, 24089,
3327, 3335, 3510,	\bfseries 25, 303, 541,	25591, 26044,
4749, 7834, 7922,	557, 586, 589,	26050, 26054,
9847, 9921, 9950,	696, 720, 922,	26060, 26064,
9955, 9964, 9970,	940, 1179, 1204,	26070, 26073,
9989, 11069,	4149, 4600, 5070,	26079, 26153,
12125, 15793,	8710, 9252, 9274,	26159, 26337,
16787, 16792,	9429, 9451, 9576,	26346, 26354, 26362
16849, 16888,	9588, 9716, 9730,	\BHFN@OldLTRFootnote
16895, 17264,	9762, 9768, 9776,	16298, 16313, 16319
17272, 17654,	11302, 11317,	\BHFN@OldRTLFootnote
17690, 17722,	11332, 11335,	16299, 16316, 16322
17751, 17777,	11344, 11571,	\bib@after@hook ...
17783, 17790,	11594, 11600,	..... 22107,
17987, 18105,	11609, 15474,	22109, 22868,
18513, 18574,	15488, 15499,	22870, 23633, 23635
18577, 18617,	15504, 15512,	\bib@before@hook ..
18708, 18716,	17941, 20699,	..... 22057,
18907, 19233,	20721, 21071,	22108, 22818,
19397, 19399,	21093, 21267,	22869, 23583, 23634
20237, 20362,	21286, 21300,	\bib@beginhook 22050,
20369, 20374,	21471, 21485,	22056, 22811,
20456, 20457,	21516, 21521,	22817, 23576, 23582
20458, 21646,	21529, 24848,	\bib@endhook
21656, 21667,	24961, 25392,	22111, 22872, 23637
21674, 22166,	25396, 25401,	\bib@heading
22927, 23692,	25430, 25434, 25439	22052, 22816, 23581
24028, 24050,	\bgroup ... 171, 172,	\bibcleanup 19959
24089, 24211,	380, 402, 410,	\bibentry 8020, 8022,
25931, 25935,	417, 665, 1224,	8039, 8041, 8058,
25974, 25978,	1500, 1845, 1923,	8060, 8090, 8092
26031, 26036,	1954, 1963, 2202,	\bibfont 19938
26043, 26048,	2206, 2213, 2551,	\bibindent .. 5104, 5105
26309, 26312,	2573, 2596, 3062,	\bibitem@fin ... 19953
26315, 26330,	3069, 3075, 3081,	\bibliofont
26337, 26362,	3443, 3579, 3626,	... 85, 288, 17901
26676, 26710,	3633, 3667, 3704,	\bibliographyitemlabel
26727, 26729,	4110, 4397, 4739,	..... 5106, 5113
26790, 26806,	4861, 8964, 9182,	\bibname 8566,
26825, 26828, 26836	9196, 9849, 9921,	8567, 9290, 9291,
\belowcaptionskip .	15768, 15769,	9478, 9479, 9787,
..... 18115,	15783, 16242,	9788, 11620,
19387, 19404,	16470, 18501,	11621, 15524,
22179, 22187,	18503, 18540,	15525, 20742,
22279, 22292,	18574, 18577,	20743, 21136,
22940, 22948,	18627, 19634,	21137, 21330,
23041, 23054,	20175, 20370,	21331, 21533, 21534
23705, 23713,	20376, 20380,	\bibpostamble ... 19954



\bibpreamble	21333, 21536,	12026, 15884, 26799
. 19937, 22053,	22066, 22827,	\bidi@afteroutputboxoutputpagehook
22054, 22813,	23592, 24322, 26184	..... 6090,
22814, 23578, 23579	\bidi@absolutefootnote@count	6091, 15885, 26800
\bibsection .. 8561,	..... 12025,	\bidi@AfterOutputPageShipOut
8564, 8566,	12032, 12050, 12064	6100, 15887, 26812
8567, 19431,	\bidi@absolute@page@count	\bidi@afteroutputpageshipouthook
19935, 24316, 24318	..... 12023,	..... 6100,
\bidi@@convert@dimen@t@pt	12024, 12031,	6101, 15888, 26813
..... 5425	12039, 12046, 12050	\bidi@AfterPackage 6844
\bidi@@convert@dimen@t@unit	\bidi@addto@envbody	\bidi@AfterPreamble
..... 5422	.. 5216, 5234, 5236	. 6114, 6115, 18035
\bidi@@diagbox@double@ii	\bidi@addto@long@envbody	\bidi@AfterReadingMainAux
.... 10951, 10955	.. 5240, 5258, 5260	..... 7126, 7129
\bidi@@diagbox@double@iii	\bidi@AfterAtEndOfClass	\bidi@append 6023, 6073
.... 10954, 10962	..... 6811, 6816	\bidi@append@cslist@to@cslist
\bidi@@diagbox@triple@setbox@SE@tabular@i	\bidi@AfterAtEndOfPackage	..... 6461, 6534
10971, 10974, 10978	..... 6855, 6859	\bidi@append@list@to@list
\bidi@@diagbox@triple@setbox@SE@tabular@ii	\bidi@AfterAtEndOfClass	..... 6457, 6543
.... 10977, 10984	\bidi@AfterEndDocument	\bidi@append@to@list
\bidi@@diagbox@triple@setbox@SE@tabular@i	6157,	..... 6436, 6455
.... 10993, 11000	6160, 6164, 6170	\bidi@append@toks@cs@to@list
\bidi@@diagbox@triple@setbox@SE@tabular@ii	\bidi@AfterEndDocumentCheckLabelsRun	..... 6465
10996, 10999, 11007	..... 5153,	\bidi@appto .. 5799,
\bidi@@end .. 6168, 6172	6129, 6134, 12066	5843, 6122, 7166
\bidi@@footnotetext@font	\bidi@afterenddocumentchecklabelsrunhook	\bidi@apptocmd
..... 38, 241,	.. 6129, 6130, 6135	. 6019, 6020, 24232
2246, 2295, 8148,	\bidi@afterenddocumenthook	\bidi@are@these@correct
16125, 16132, 16226	..... 6157,	..... 6433, 6436
\bidi@loadwithoptions	6158, 6165, 6171	\bidi@AtBeginEnvironment
..... 6722,	\bidi@AfterEndEnvironment	..... 6174, 6186
6729, 6732, 6736	..... 6214, 6224	\bidi@AtEndEnvironment
\bidi@L@TRfootnotetext@font	\bidi@AfterEndPreamble	..... 6190, 6200
..... 68, 270,	... 6117, 6120,	\bidi@AtEndOutputPage
2280, 2327, 8166,	6123, 6125, 6140,	... 5197, 6103,
16126, 16165, 16211	7208, 8724, 8747	12038, 15893, 26818
\bidi@null . 6340, 6341	\bidi@afterendpreamblehook	\bidi@atendoutputpagehook
\bidi@@onefilewithoptions	..... 6117,	..... 6103,
.. 6744, 6747, 6750	6118, 6124, 6126	6104, 15894, 26819
\bidi@patchcmd ...	\bidi@AfterFile ...	\bidi@AtEndPreamble
..... 5911, 5913	... 3122, 3475,	... 4293, 6076,
\bidi@RTLfootnotetext@font	6796, 16324,	6079, 6108, 6110,
..... 52, 255,	22274, 23036, 23801	6115, 7206, 8004,
2263, 2311, 8184,	\bidi@AfterFooter .	18118, 19792, 19852
16127, 16149, 16196	..... 6096, 26808	\bidi@autofooterulefalse
\bidi@thebibliography@font	\bidi@AfterFooterhook	16053, 16057, 16060
..... 88, 291,	.. 6096, 6097, 26809	\bidi@autofooteruletrue
601, 736, 999,	\bidi@AfterLastShipout	..... 16075
1249, 2611, 5112,	.. 6142, 6148, 6154	\bidi@backslash ...
9293, 9481, 9790,	\bidi@afterlastshipouthook	..... 6257, 6258
11352, 11623,	..... 6142,	\bidi@beamer@blacktriangle
15527, 17904,	6143, 6149, 6155	..... 2793,
19433, 19940,	\bidi@AfterOutputBoxOutputPage	2807, 2808, 2809
20745, 21139,	..... 6090,	



\bidi@beamer@frametitleshade	6088, 15882, 26797	\bidi@copyins@amount
..... 3679, 3724		. 16664, 16665,
\bidi@beamer@Gm@lmargin	6081, 15859, 26742	16666, 16669,
..... 2050,		16674, 16675, 16687
2077, 2080, 2157	\bidi@beforeoutputpageshipouthook	\bidi@counter@page
\bidi@beamer@Gm@rmargin	..... 6081,	..... 5167, 5196
.. 2058, 2166, 2185	6082, 15860, 26743	\bidi@cs@a .. 6342, 6343
\bidi@beamer@leftskip	\bidi@BeforePackage	\bidi@cs@e ... 6513,
..... 1559,	..... 6842	6514, 6516,
1562, 1566, 1569,	\bidi@bidiold@footnotetext	6517, 6520, 6522
1573, 1583, 1597,	.... 11755, 15014	\bidi@cs@lista 6486,
1601, 1619, 1637,	\bidi@bidiold@mpfootnotetext	6487, 6488,
1643, 1741, 1747,	.... 11829, 15028	6489, 6498, 6499
1752, 1763, 1781,	\bidi@bidiold@mpRTLfootnotetext	\bidi@cs@listb
1788, 2766, 2787,	.... 11866, 15033	..... 6483, 6485
2790, 2903,	\bidi@bidiold@RTLfootnotetext	\bidi@cs@liste
3553, 3554, 3702	.... 11786, 15019	..... 6481, 6486
\bidi@beamer@ragged	\bidi@bswitch 6399, 6401	\bidi@csappto 5843
... 1538, 1804,	\bidi@CharsBefore .	\bidi@csarg
1813, 1822, 1832,	..... 6314,	... 6269, 6285,
2197, 2563, 2589,	6316, 6317, 6322,	6359, 6366, 6384,
2604, 2623, 2637,	6326, 6327, 6332	6389, 6394, 6399,
2816, 2838, 3131,	\bidi@CharsBeforeNC	6405, 6410, 6452,
3139, 3150, 3233,	..... 6315	6453, 6471, 6477,
4095, 26084,	\bidi@clearpage ...	6488, 6498, 6507,
26094, 26104,	..... 6151, 6153	6517, 6521, 6525
26105, 26263,	\bidi@collect@@body	\bidi@csdefcs 5493
26272, 26281, 26290	..... 5222, 5229	\bidi@csappto
\bidi@beamer@rightskip	\bidi@collect@body 5217	..... 5844, 5847
... 2774, 2903,	\bidi@collect@long@@body	\bidi@cspreto
3555, 3556, 3703	..... 5246, 5253	..... 5853, 5856
\bidi@beamer@today	\bidi@collect@long@body	\bidi@csgappto
.. 3276, 3297, 3304	..... 5241	... 5845, 6175,
\bidi@BeforeBeginEnvironment	\bidi@column@check@number	6191, 6205, 6215
..... 6204, 6212	. 26399, 26415,	\bidi@csgpreto ... 5854
\bidi@BeforeClass 6797	26417, 26419, 26431	\bidi@cslet 5499
\bidi@BeforeClosingMainAux	\bidi@column@status	\bidi@csletcs 5496
..... 7089,	. 4232, 4236, 26401	\bidi@csname
7100, 7104,	\bidi@column@type .	... 6281, 6432,
7107, 7115, 7118	26416, 26421, 26432	6438, 6483, 6517
\bidi@BeforeFile . 6795	\bidi@ccolumnwidth .	\bidi@cspreto 5852
\bidi@BeforeFooter	. 11674, 11676,	\bidi@csprotect .. 6586
..... 6093, 26801	12416, 12422,	\bidi@csundef . 1548,
\bidi@beforefooterhook	12703, 12709,	1550, 1552, 1554,
. 6093, 6094, 26802	13002, 13008,	1556, 1576, 1578,
\bidi@BeforeHeader	13301, 13307,	1580, 1604, 1606,
6084, 15877, 26784	13600, 13606,	1608, 1610, 1612,
\bidi@beforeheaderhook	13899, 13905,	1614, 1616, 1734,
..... 6084,	14198, 14204,	1736, 1738, 1756,
6085, 15878, 26785	14497, 14503,	1758, 1760, 1793,
\bidi@BeforeOutputBoxOutputPage	14796, 14802,	1795, 1797, 1826,
6087, 15881, 26796	15307, 15318, 18594	2782, 2784, 2801,
\bidi@beforeoutputboxoutputpageshook	\bidi@column@stacktop	2803, 2805, 2849,
..... 6087,	..... 6519	2851, 2853, 2900,



2974, 3039, 3041, 3043, 3045, 3047, 3049, 3051, 3053, 3145, 3274, 3426, 3452, 3503, 3531, 3533, 3535, 3537, 3651, 3687, 3741, 3743, 3829, 3831, 3924, 6007	\bidi@empty 4298, 4299, 6339, 6342, 6343	13422, 13449, 13476, 13481, 13484, 13487, 13490, 13543, 13570, 13597, 13609, 13619, 13669, 13721, 13748, 13775, 13780, 13783, 13786, 13789, 13842, 13869, 13896, 13908, 13918, 13968, 14020, 14047, 14074, 14079, 14082, 14085, 14088, 14141, 14168, 14195, 14207, 14217, 14267, 14319, 14346, 14373, 14378, 14381, 14384, 14387, 14440, 14467, 14494, 14506, 14516, 14566, 14618, 14645, 14672, 14677, 14680, 14683, 14686, 14739, 14766, 14793, 14805, 14815, 14823, 14830, 14833, 14841, 14853, 15061, 15116, 15146, 15176, 15180, 15184, 15188, 15243, 15272, 15301, 15312, 15328, 15337, 15346, 15353, 15357, 15368, 15369
\bidi@cuse .. 5786, 6181, 6195, 6208, 6219, 12050	\bidi@empty@stack 6524, 6530	\bidi@ensure@newlength 5517, 11907, 11967
\bidi@cswitch 6394, 6396	\bidi@empty@toks 6537, 6540, 6544	\bidi@epreto 5825, 5838, 5853
\bidi@csxappto 5846, 5848	\bidi@endpreamblehook ... 6076, 6077, 6109, 6111	\bidi@eqs@a . 6295, 6296
\bidi@csxpreto 5855, 5857	\bidi@ensure@newcommand ... 5510, 5511	\bidi@eqs@b . 6295, 6296
\bidi@current@column@status 26401, 26404, 26437	\bidi@ensure@newcommand .. 5510, 11885, 11897, 11903, 11904, 11908, 11909, 11910, 11911, 11923, 11935, 11957, 11958, 11963, 11964, 11965, 11966, 11969, 12077, 12079, 12083, 12084, 12100, 12117, 12122, 12124, 12130, 12132, 12136, 12186, 12238, 12265, 12292, 12297, 12300, 12303, 12306, 12359, 12386, 12413, 12425, 12435, 12485, 12535, 12560, 12585, 12590, 12593, 12596, 12599, 12650, 12675, 12700, 12712, 12722, 12772, 12824, 12851, 12878, 12883, 12886, 12889, 12892, 12945, 12972, 12999, 13011, 13021, 13071, 13123, 13150, 13177, 13182, 13185, 13188, 13191, 13244, 13271, 13298, 13310, 13320, 13370,	\bidi@equalstring 6295 \bidi@equalstringx 6300
\bidi@dbg@fail 5871, 5881, 5882, 5883, 5884, 5890, 5899, 5905, 6015, 6037, 6049, 6050, 6059		\bidi@error 5519, 5771, 6369, 6476, 6645
\bidi@dbg@info 5872, 5874, 5877, 5879, 5880, 5891, 5893, 5895, 5897, 5898, 5900, 5902, 5904, 6013, 6038, 6040, 6042, 6045, 6051, 6053		
\bidi@dbg@init 5869, 5888, 6012, 6035		
\bidi@dbg@succ 5915, 6014, 6046, 6054, 6056		
\bidi@dbg@trce 5862, 5908, 6011, 6020, 6028		
\bidi@default . 6384, 6389, 6394, 6399, 6405, 6410		
\bidi@del@tok@from@list ... 6480		
\bidi@digits . 4282, 4288, 4289, 4290		
\bidi@digits@charclass ... 4284, 4288, 4289, 4290, 4291		
\bidi@dummies 6364, 6366, 6367		
\bidi@eappto 5803, 5816, 5844		



\bidi@everyjob	4037, 4038, 4365, 4366	\bidi@hooktocmd@i	18173, 18174,
\bidi@excludedpackages	..... 6883, 6884, 6904, 6940, 6957, 6965, 6975, 6997, 6998, 7006, 7007, 7012, 7025	..... 6047, 6061	18175, 18176,
\bidi@expandonce	..	\bidi@hop@ES	18177, 18178,
..... 5791, 5802, 5806, 5810, 5814, 5824, 5828, 5832, 5836, 6057		\bidi@ifafterfinalfootnote	18179, 18180,
\bidi@ff@box	..... 15901, 15919	..... 12045, 12058	18181, 18182,
\bidi@finalfootnoteperpage	..... 12030, 12041	\bidi@ifblank@i	18183, 18184,
\bidi@firstcolumn@status@width	... 4230, 4238, 10169, 10228, 15707, 15743, 16581, 16634, 19510, 19606, 26408, 26471, 26514	.. 5465, 5466, 5468	18185, 18186,
\bidi@floathook	... . 11675, 14881, 14934, 14986, 15037, 15445, 15447	\bidi@ifdefmacro	18187, 18188,
\bidi@font@outputpage	15867, 26733, 26775	..... 5471, 5473, 5474, 5475	18189, 18190,
\bidi@footdir@footnote	. 79, 282, 2341, 16180, 16182, 16186	\bidi@ifdefparam	18191, 18192,
\bidi@footskip	.... . 11986, 11993, 12010, 12017, 15325	..... 5990, 5992, 5993, 5994	18193, 18194,
\bidi@fswitch	6410, 6412	\bidi@ifdefprotected	18195, 18196,
\bidi@gappto	. 5191, 5807, 5845, 6076, 6081, 6084, 6087, 6090, 6093, 6096, 6100, 6103, 6117, 6129, 6142, 6157	..... 5999	18197, 18198,
\bidi@gobbleopt	.... . 7046, 7055	\bidi@ifempty	18199, 18200,
\bidi@gpreto	5829, 5854	..... 6342	18201, 18202,
\bidi@hook@acma	... 7070, 7114, 7127, 7128, 7133	\bidi@ifemptyX	18203, 18204,
\bidi@hook@bcma	... 7064, 7113, 7116, 7117, 7123	\bidi@ifemptyX	18205, 18206,
\bidi@hooktocmd	... 6023, 6031, 6033	\bidi@ifhashcheck	18207, 18208,
		.. 5876, 5961, 6044	18209, 18210,
		\bidi@ifhashcheck@i	18211, 18212,
		..... 5965, 5967	18213, 18214,
		\bidi@ifhashcheck@ii	18215, 18216,
		..... 5969, 5972, 5973, 5974	18217, 18218,
		\bidi@ifmulticol	18219, 18220,
		. 11975, 11985,	18221, 18222,
		12009, 15447, 15451	18223, 18224,
		\bidi@ifnextchar	18225, 18226,
		. 6350	18227, 18228,
		\bidi@ifpatchable	18229, 18230,
		.. 5865, 5867, 5914	18231, 18232,
		\bidi@ifpatchable@i	18233, 18234,
		..... 5865, 5886	18235, 18236,
		\bidi@ifpattern	18237, 18238,
		..... 5878, 5977	18239, 18240,
		\bidi@ifscanable	18243, 18246,
		..... 5875, 5896, 5945, 6043	18249, 18252,
		\bidi@in@front@of@cslst	18255, 18258,
		..... 6489, 6490	18261, 18264,
		\bidi@in@front@of@list	18268, 18271,
		..... 6488	18274, 18277,
		\bidi@info	18280, 18283,
		..... 5522	18286, 18289,
		\bidi@init@multi@footins	18292, 18295,
		..... 15433, 15450, 15455, 15456	18298, 18301,
		\bidi@invert@csstack	18304, 18307,
		..... 6529	18310, 18313,
		\bidi@isemptylist	18316, 18319,
		6343	18322, 18325,
		\bidi@isloaded	18328, 18331,
		.... . 5937, 18168,	18334, 18337,
		18169, 18170,	18340, 18343,
		18171, 18172,	18346, 18349,
			18352, 18355,
			18358, 18361,



18364, 18367,	24853, 24854,	\bidi@lst@caption@direction
18370, 18373,	24964, 25021,	..... 18067,
18376, 18379,	25023, 25059,	18068, 18080, 18083
18382, 18385,	25060, 25092, 26082	\bidi@lst@caption@script
18388, 18391,	\bidi@length@of@csstack	..... 18074,
18394, 18397,	.. 6525, 6526, 6529	18075, 18091, 18094
18400, 18403,	\bidi@length@of@stack	\bidi@lst@ensure@caption@direction
18406, 18409,	..... 6525, 6539	..... 18078,
18412, 18415,	\bidi@load@hook 6715,	18103, 18105,
18418, 18421,	6718, 6751, 6788	18107, 18126,
18424, 18427,	\bidi@loadwithoptions	18130, 18137, 18146
18430, 18433,	.. 6723, 6724, 6729	\bidi@lst@ensure@caption@script
18436, 18439,	\bidi@local@in@front@of@list	18089, 18101, 18145
18442, 18445,	..... 6493, 6510	\bidi@LTR@rigid@balance
18448, 18451, 18454	\bidi@local@push@onto	. 12127, 12424,
\bidi@join@footnotes	..... 6509	12434, 12711,
..... 11959,	\bidi@looprepeat@comp	12721, 13010,
11960, 11961, 11981	.. 6603, 6639, 6644	13020, 13309,
\bidi@join@mp@footnotes	\bidi@looprepeat@csarg	13319, 13608,
. 11830, 11867,	..... 6581, 6633	13618, 13907,
12005, 12080,	\bidi@looprepeat@csarg@roman@numeral	13917, 14206,
12081, 12332,	... 6583, 6598,	14216, 14505,
12334, 12373,	6599, 6600, 6601,	14515, 14804, 14814
12400, 12624,	6602, 6605, 6610,	\bidi@make@eightcol@LTR@footgroup
12626, 12663,	6611, 6612, 6613,	13931, 13956, 14201
12688, 12918,	6614, 6616, 6622,	\bidi@make@fivecol@LTR@footgroup
12920, 12959,	6635, 6637, 6638,	13034, 13059, 13304
12986, 13217,	6639, 6646, 6647,	\bidi@make@fourcol@LTR@footgroup
13219, 13258,	6649, 6654, 6662	12735, 12760, 13005
13285, 13516,	\bidi@looprepeat@cs@roman@numeral	\bidi@make@eightcol@LTR@footgroup
13518, 13557,	..... 6582,	13939, 13964, 14212
13584, 13815,	6606, 6614,	\bidi@make@mp@fivecol@LTR@footgroup
13817, 13856,	6617, 6633, 6661	13042, 13067, 13315
13883, 14114,	\bidi@looprepeat@depth	\bidi@make@mp@fourcol@LTR@footgroup
14116, 14155,	... 6582, 6583,	12743, 12768, 13016
14182, 14413,	6585, 6597, 6623	\bidi@make@mp@ninecol@LTR@footgroup
14415, 14454,	\bidi@looprepeat@dx@body	14238, 14263, 14511
14481, 14712,	..... 6606, 6610	\bidi@make@mp@para@LTR@footgroup
14714, 14753,	\bidi@looprepeat@setup	. 14878, 14931,
14780, 15215,	..... 6603, 6629	14984, 15035, 15337
15217, 15258, 15287	\bidi@looprepeat@sign	\bidi@make@mp@sevencol@LTR@footgroup
\bidi@last@column@status@write	.. 6603, 6614, 6644	13640, 13665, 13913
..... 4234,	\bidi@looprepeat@tmp	\bidi@make@mp@sixcol@LTR@footgroup
4239, 10173,	..... 6604,	13341, 13366, 13614
10234, 15711,	6605, 6632, 6634,	\bidi@make@mp@tencol@LTR@footgroup
15749, 16587,	6637, 6642, 6649,	14537, 14562, 14810
16638, 19514,	6652, 6654, 6657	\bidi@make@mp@threecol@LTR@footgroup
19612, 26475, 26520	\bidi@looprepeat@trace@exit	12456, 12481, 12717
\bidi@leave@mult@copy@yins	..... 6588, 6623	\bidi@make@mp@twocol@LTR@footgroup
.... 19847, 19858	\bidi@looprepeat@trace@init	12157, 12182, 12430
\bidi@left@footnote@rule	..... 6588, 6596	\bidi@make@ninecol@LTR@footgroup
18596, 18602, 18607	\bidi@looprepeat@zero	14230, 14255, 14500
\bidi@leftskip ....	.. 6603, 6622, 6660	\bidi@make@para@LTR@footgroup
. 24849, 24851,		. 14869, 14922,



14972, 15023, 15312	\bidi@newcommand ..	26037, 26039, 26040
\bidi@make@sevenscol@LTRfootgroup	5745, 5747	\bidi@oldwbuskip ..
13632, 13657, 13902	\bidi@newrobustcmd	..... 6475, 6478
\bidi@make@sixcol@LTRfootgroup ...	4105, 4107,	\bidi@onefilewithoptions
13333, 13358, 13603	5742, 5743, 5767,	.. 6739, 6740, 6744
\bidi@make@tencol@LTRfootgroup	5778, 5799, 5803,	\bidi@orig@leftline
14529, 14554, 14799	5807, 5811, 5816,	26311, 26317, 26318
\bidi@make@threecol@LTRfootgroup	5817, 5821, 5825,	\bidi@orig@raggedleft
12448, 12473, 12706	5829, 5833, 5838,	26302, 26304, 26305
\bidi@make@twocol@LTRfootgroup	5839, 5843, 5844,	\bidi@orig@raggedright
12149, 12174, 12419	5845, 5846, 5847,	26303, 26304, 26305
\bidi@makecolbf ...	5848, 5852, 5853,	\bidi@orig@rightline
.... 15407, 15419	5854, 5855, 5856,	26314, 26317, 26318
\bidi@matrix@check	5857, 5861, 5907,	\bidi@oswitch 6389
..... 5273, 26169	6006, 6007, 6019,	\bidi@p@ftn .. 4693,
\bidi@matrix@error	6027, 6076, 6079,	4756, 4758, 4759,
..... 5275, 5279	6081, 6084, 6087,	4761, 4762, 4764,
\bidi@mopfn@bottom	6090, 6093, 6096,	4765, 4769,
..... 15374,	6100, 6103, 6114,	4772, 4775, 4880
15387, 15420, 15421	6117, 6120, 6129,	\bidi@p@ftntext ...
\bidi@mopfootnotebf	6142, 6157, 6160,	.. 4740, 4757, 4862
.... 15383, 15414	6174, 6190, 6204,	\bidi@p@LTRftntext
\bidi@mpfootnoterule	6214, 26133, 26140	.. 4741, 4760, 4863
..... 2290,	\bidi@next ... 6316,	\bidi@p@RTLftntext
2306, 2322,	6317, 6319, 6321,	.. 4742, 4763, 4864
15957, 16191,	6322, 6324, 6329,	\bidi@p@xfootnote .
16206, 16221,	6331, 6332, 6334	.. 4744, 4778, 4866
16260, 18682, 24230	\bidi@NextChar ... 6347	\bidi@p@xftntext ..
\bidi@mswitch 6405, 6407	\bidi@normal@footmarkwidth	..... 4743,
\bidi@multicol@align@columns	. 11894, 11950,	4768, 4783, 4865
..... 19734,	11956, 12159,	\bidi@p@xLTRfootnote
19785, 19788, 19790	12184, 12458,	.. 4746, 4786, 4868
\bidi@n@everypar ..	12483, 12745,	\bidi@p@xLTRftntext
. 20364, 20365,	12770, 13044,	..... 4745,
20366, 20367,	13069, 13343,	4771, 4791, 4867
25853, 26038,	13368, 13642,	\bidi@p@xRTLfootnote
26039, 26040, 26041	13667, 13941,	.. 4748, 4794, 4870
\bidi@namedef 6226	13966, 14240,	\bidi@p@xRTLftntext
\bidi@nameedef ... 6228	14265, 14539,	..... 4747,
\bidi@namegdef	14564, 14904,	4774, 4799, 4869
.. 5196, 5524, 6227	14957, 15008, 15059	\bidi@page@count ..
\bidi@namelongdef 5502	\bidi@notblank 5467,	..... 5134,
\bidi@namelongedef 5506	5475, 5994, 6003	5135, 5169, 5198
\bidi@namelonggdef 5504	\bidi@nxt@a	\bidi@paraskip 14850,
\bidi@namelongxdef 5508	.. 6348, 6351, 6353	14899, 14952,
\bidi@namexdef ... 6229	\bidi@nxt@b	15004, 15055, 15324
\bidi@new@command .	.. 6348, 6351, 6354	\bidi@patch@@AfterPackage
..... 5743,	\bidi@nxt@c .....	..... 7178, 7183
5745, 5774, 5782	.. 6349, 6352, 6353	\bidi@patch@Add ...
\bidi@new@ifnch ...	\bidi@nxt@ch .....	..... 7165, 7194
..... 5267, 5269	.. 6348, 6351, 6353	\bidi@patch@AfterPackage
\bidi@new@ifnextchar	\bidi@o@everypar ..	..... 7168,
..... 5264, 26174	..... 20363,	8116, 8118, 8121,
	20365, 20366,	



8142, 8293, 8343, 8399, 8643	\bidi@pdfencrypt@keylength	\bidi@protected 5794, 5816, 5817, 5838, 5839, 5847, 5848, 5856, 5857
\bidi@patch@counter	..... 4158, 4311	
..... 7146, .. 4155, 4298, 4310	\bidi@pdfencrypt@ownerpassword	
7150, 7153, 7159, 7160, 7179	..... 4161, 4312	\bidi@protected@cseappto
\bidi@patch@temp	\bidi@pdfencrypt@userpassword	\bidi@protected@csepreto
..... 7186, 7193	.. 4152, 4299, 4309	..... 5856
\bidi@patch@list ..	\bidi@pdfm@mark ...	\bidi@protected@csxappto
... 7164, 7166, 7204, 7206, 7213	..... 4438, 4453	..... 5848
\bidi@patch@OrgIfClassLater	\bidi@pickescape . 6290	\bidi@protected@csxpreto
..... 7212, 7217	\bidi@pop@cs@into .	..... 5857
\bidi@patch@OrgIfClassLoaded	..... 6513, 6532	\bidi@protected@eappto
..... 7211, 7216	\bidi@pop@into ....	..... 5816
\bidi@patch@OrgIfPackageLater	..... 6516, 6542	\bidi@protected@epreto
..... 7210, 7215	\bidi@pos 5524, 5532, 5560, 5586, 5614, 5640, 5643, 5677, 5680	..... 5838
\bidi@patch@OrgIfPackageLoaded	\bidi@poscount	\bidi@protected@immediate@write
..... 7209, 7214	... 5526, 5529, 5532, 5549, 5551, 5560, 5574, 5576, 5583, 5586, 5603, 5605, 5614, 5628, 5630, 5637, 5640, 5643, 5660, 5662, 5666, 5668, 5677, 5680, 5694, 5696, 5700, 5702, 5709, 5711, 5712, 5714, 5715, 5718, 5719, 5726, 5728, 5729	.. 7119, 7130, 7136
\bidi@patch@stepcounter	\bidi@prepend 6031, 6074	\bidi@protected@xappto
.. 7148, 7158, 7177	\bidi@prepend@cslist@to@cslist	..... 5817
\bidi@patch@temp ..	..... 6463	\bidi@protected@xpreto
..... 7176, 7180	\bidi@prepend@list@to@list	..... 5839
\bidi@patch@try ...	..... 6459	\bidi@provide@command
..... 7195, 7198	\bidi@prepend@to@list	..... 5778, 5780
\bidi@patchcmd ....	..... 6456	\bidi@providerobustcmd
..... 171, 179, 188, 338, 594, 1932, 5907, 5908, 6132, 6145, 6162, 6179, 6193, 6217, 7437, 10949, 10952, 10969, 10972, 10975, 10991, 10994, 10997, 11015, 11023, 11031, 11040, 11049, 11058, 15673, 15675, 15678, 15680, 16932, 17832, 17840, 17848, 17856, 17864, 17873, 17881, 17890, 18011, 18017, 18025, 18119, 18132, 18584, 19854, 20001, 20106, 20501, 24219, 24227, 26538	\bidi@prepend@toks@cs@to@list	..... 5778
\bidi@patchcmd@scantoks	..... 6466	\bidi@push@begins .
.. 5925, 5931, 6069	\bidi@preto .....	.. 5226, 5227, 5230
	... 5821, 5852, 6106, 15440, 15453	\bidi@push@cs@onto@cs
	\bidi@pretocmd 6027, 6028, 6207, 6249	..... 6506, 6533
	\bidi@PreventPackageFromLoading	\bidi@push@long@begins
	..... 6886, 6900, 6930, 6963	.. 5250, 5251, 5254
	\bidi@process@envbody	\bidi@push@onto .. 6507
	... 5219, 5223, 5224, 5238, 5243, 5247, 5248, 5262	\bidi@push@onto@cs
		..... 6507, 6508
		\bidi@raggedleft ..
		..... 5047, 5054, 5059, 5078, 10648, 10764, 15675, 15680, 17048, 26307
		\bidi@raggedright .
		. 15673, 15678, 19869, 19872, 19874, 19877, 19879, 19881, 19884, 19886, 19888, 19890, 19893, 19895, 19897, 19899, 19901, 19904, 19906, 19909, 19911, 19914, 19916, 19918,



19921, 19923, 19925, 19928, 19930, 19932, 26306	14587, 14630, 14657, 15082, 15084, 15130, 15160	\bidi@rightskip 24845, 24957, 25025, 25026, 25038, 25042, 25046, 26083
\bidi@rcol@copyinsskip 16544, 16549, 16558, 16607	\bidi@reinserts ... 15424, 15442, 15443	\bidi@RTL@everypar . 15068, 15099, 15117, 15133, 15147, 15163, 15202, 15232, 15246, 15261, 15275, 15290, 20362, 20366, 23968, 26036, 26040
\bidi@redefine@newpage 7080, 7120	\bidi@releasename 4005, 4006, 4007, 4022, 4086, 4089, 4092, 4333, 4334, 4350, 4429, 4432, 4435	\bidi@save@checkend .. 7057, 7060, 7078
\bidi@reflect@box . . 20441, 20448, 26126, 26134, 26141	\bidi@removexfootskip . 11987, 12011, 14862, 14915, 14971, 15022, 15327	\bidi@save@clearpage .. 7062, 7063, 7066
\bidi@reinsert@footnotes 15437, 15459, 15460	\bidi@reinsertfinalfootnoteperpage . 12057, 12233, 12235, 12263, 12290, 12530, 12532, 12558, 12583, 12819, 12821, 12849, 12876, 13118, 13120, 13148, 13175, 13417, 13419, 13447, 13474, 13716, 13718, 13746, 13773, 14015, 14017, 14045, 14072, 14314, 14316, 14344, 14371, 14613, 14615, 14643, 14670, 15111, 15113, 15144, 15174	\bidi@save@dofilelist 7068, 7071, 7072, 7079
\bidi@reinsertfootnote 11757, 11788, 11999, 12059, 12205, 12207, 12250, 12277, 12503, 12505, 12546, 12571, 12791, 12793, 12836, 12863, 13090, 13092, 13135, 13162, 13389, 13391, 13434, 13461, 13688, 13690, 13733, 13760, 13987, 13989, 14032, 14059, 14286, 14288, 14331, 14358, 14585,	\bidi@renew@command .. 5767, 5769, 5783	\bidi@save@eqno 20452, 20454, 20455, 26831, 26833, 26834
	\bidi@renewrobustcmd 5767, 26137, 26144	\bidi@save@leqno 20453, 20454, 20455, 26832, 26833, 26834
	\bidi@ReplaceClass 6770	\bidi@save@newpage FromLoading... 7081, 7092
	\bidi@replacefile@msg 6707, 6731, 6746, 6784	\bidi@save@RequirePackage 6885, 6905, 6916, 6968, 6970, 7048
	\bidi@ReplaceInput 6754	\bidi@sepmark@charclass 4285, 4286, 4287, 4291
	\bidi@ReplacePackage 6767	\bidi@set@column@status 26403, 26431, 26436
	\bidi@RequirePackage .. 6906, 6966, 7017	\bidi@set@cslist 6499, 6500
	\bidi@ResetPreventPackageFromLoading 6958, 6964, 6973, 7012	\bidi@set@list ... 6498
	\bidi@resrvda . 5917, 5918, 5919, 5922, 5923, 5924, 5925, 5926, 5927, 5932, 5935, 5947, 5948, 5949, 5950, 5951, 5953, 5954, 5963, 5965, 5979, 5980, 5982, 5984, 5985, 6063, 6064, 6065, 6066, 6067, 6068, 6069, 6070, 6071	\bidi@set@load@hook 6792, 6795, 6796, 6798, 6817, 6829, 6843, 6860, 6871
	\bidi@resrvdb 5919, 5920	\bidi@SOUL@ulleaders 24009, 24015
	\bidi@restore@newpage .. 7065, 7082, 7112	\bidi@stack@length 6524,
	\bidi@restorecatcode 6274	
	\bidi@right@footnoterule 18597, 18600, 18609	



6526, 6527, 6531, 6532, 6541, 6542	\bidi@tempa .. 4167, 4173, 4179, 4185, 4191, 4197, 4209, 4215, 4221, 4228, 4242, 4249, 4259	\bidi@UnReplaceClass 6781
\bidi@star@footmarkwidth 11894, 11953, 12159, 12184, 12458, 12483, 12745, 12770, 13044, 13069, 13343, 13368, 13642, 13667, 13941, 13966, 14240, 14265, 14539, 14564, 14904, 14957, 15008, 15059	\bidi@tempb 4167, 4168, 4173, 4174, 4179, 4180, 4185, 4186, 4191, 4192, 4197, 4198, 4209, 4210, 4215, 4216, 4221, 4222, 4228, 4229, 4242, 4243, 4249, 4250, 4259, 4260	\bidi@UnReplaceInput 6758
\bidi@startparafootskip 14849, 14852, 14901, 14902, 14954, 14955, 15006, 15057	\bidi@tempcountb 6261, 6530, 6531, 6540, 6541	\bidi@UnReplacePackage 6778
\bidi@step@absolutefootnote@count .. 11756, 11787, 12063, 12203, 12249, 12276, 12501, 12545, 12570, 12789, 12835, 12862, 13088, 13134, 13161, 13387, 13433, 13460, 13686, 13732, 13759, 13985, 14031, 14058, 14284, 14330, 14357, 14583, 14629, 14656, 15080, 15129, 15159	\bidi@temptoksa 6262, 6530, 6533, 6534, 6535, 6537, 6540, 6544	\bidi@version 4004, 4007, 4022, 4039, 4041, 4047, 4053, 4086, 4089, 4092, 4332, 4350, 4370, 4372, 4429, 4432, 4435
\bidi@storecatcode 6267	\bidi@temptoksb 6263, 6532, 6533, 6534, 6535	\bidi@w@w 6421
\bidi@storePreventPackageFromLoading 6974, 6977	\bidi@todonotes@tempa 25729, 25737	\bidi@warning 5520, 6184, 6198, 6210, 6222
\bidi@StringBefore 6325	\bidi@todonotes@tempb 25729, 25730, 25737, 25738	\bidi@warningnoline 596, 5521, 15674, 15676, 15679, 15681
\bidi@StringBeforeNC 6313	\bidi@tok@SM 6481, 6486	\bidi@willbeunhskip .. 6468, 6475, 6478
\bidi@switch . 6373, 6384, 6386, 6391	\bidi@toks@lista 6446, 6448, 6449, 6450, 6451, 6482, 6484, 6490, 6491, 6493, 6495, 6500, 6501	\bidi@x@stack@to@list 6539
\bidi@switch@exit 6383, 6384, 6385, 6389, 6390, 6394, 6395, 6399, 6400, 6405, 6406, 6410, 6411	\bidi@toks@listb 446, 6482, 6484	\bidi@xappto 5811, 5817, 5846
\bidi@t@w@w 6434	\bidi@undef 2811, 2834, 2905, 3354, 5927, 6006, 6071, 6111, 6126, 24704, 24705, 24865, 24866, 25115, 25116	\bidi@xargdef 5749, 5757
\bidi@tabular@RTLcases 26149, 26176	\bidi@undefined 6006, 6008	\bidi@xparaskip 14844, 14846, 14848, 14898, 14951, 15003, 15054
	\bidi@undefinedcs 6359, 6366, 6421, 6425, 6431, 6435, 6476	\bidi@xpreto 5833, 5839, 5855
	\bidi@UnPreventPackageFromLoading 6978	\bidi@xcolor ... 9915, 9971, 9986, 9988, 15899, 25979, 26026, 26029, 26030
		\bidi@y 6258
		\bidi@ydate 4003, 4007, 4022, 4086, 4089, 4330, 4350, 4429, 4432
		\bidi@yscale@box 16868, 16869
		\bidi@yscale@box ... 16845, 16846, 16865
		\bidi@yscale@box@dd 16877, 16881, 16887
		\bidi@yscale@box@ddd 16883, 16894
		\bidi@yrap 26320
		\bidi@yinfooff .. 4450



\bidipdfinfoon	8982, 9085,	\bmb@colorbox 1922
..... 4449, 4455	9103, 9188, 9202	\bmb@dima 1882,
\bidipoem@hvlen . .	\bidipoem@p@xRTLfootnote	1895, 1898, 1899,
... 8888, 8894,	... 8974, 8985,	1900, 1901,
8897, 8900, 8909	9105, 9191, 9205	1912, 1913, 1914
\bidipoem@half@verses	\bidipoem@p@xRTLftntext	\bmb@dimb 1883,
.. 8914, 8915, 8918	..... 8973,	1896, 1897, 1900
\bidipoem@half@verses@next	8984, 9088,	\bmb@lower .. 1849, 1925
.. 8914, 8915, 8916	9110, 9190, 9204	\bmb@prevheight ...
\bidipoem@hvind 8888,	\bidipoem@set@verse	..... 1870, 1879
8891, 8892, 8900,	.. 8894, 8897, 8899	\bmb@temp 1873, 1874,
8901, 8904, 8907	\bidipoem@set@verseI	1875, 1877, 1881,
\bidipoem@hvlen . . .	..... 8893, 8896	1882, 1883, 1893
... 8887, 8892,	\bidipoem@spreadbox	\bmb@upper .. 1854, 1864
8894, 8905, 8907	... 8883, 8905,	\bmb@width ... 1863,
\bidipoem@hvssep 8887,	8907, 8908, 8909	1872, 1881,
8900, 8901, 8908	\bidireleasename ..	1911, 1912, 1923
\bidipoem@next . . . .	..... 4006, 4334	\bool 18708,
..... 8893, 8894	\bidirlap 26319	18716, 18847,
\bidipoem@openbox .	\bidituftefloatDebugInfoNL	18864, 18865,
..... 8932, 8937	... 7225, 7313,	18909, 18915,
\bidipoem@p@ftn . . .	7317, 7612, 7661	18930, 18953,
... 8939, 8949,	\bidituftefloatError	18956, 18976,
9073, 9074, 9076,	..... 7224, 7707	18981, 18993,
9077, 9079, 9080,	\bidituftefloatInfoNL	19010, 19011,
9083, 9086, 9089,	.. 7225, 7226, 7776	19014, 19031,
9194, 17505,	\bidituftefloatRecalculate	19056, 19063,
17515, 17536,	..... 7342, 7353	19069, 19075,
17546, 17567, 17577	\bidituftehyperrefLoadHyperref	19085, 19092,
\bidipoem@p@ftntext	..... 8601, 8612	19114, 19226,
..... 8966,	\bidituftesidenotemarginpar	19229, 19237,
8977, 9072,	.. 7792, 8144, 8303	19238, 20002,
9183, 9197, 17503	\bidituftetocError	20088, 20090, 20099
\bidipoem@p@LTRftntext	.. 8332, 8379, 8388	\boolean 7225,
..... 8967,	\bidiversion 4039, 4367	7285, 7287,
8978, 9075,	\bigskip 20523	7290, 7294, 7297,
9184, 9198, 17534	\bl . . . 20268, 20269,	7300, 7325, 7421,
\bidipoem@p@RTLftntext	20272, 20273,	7436, 7447, 7467,
..... 8968,	20274, 20278,	7474, 7482, 7499,
8979, 9078,	20333, 20340, 20344	7519, 7523, 7541,
9185, 9199, 17565	\blacktriangleleft	7542, 7545, 7546,
\bidipoem@p@xfootnote	2795, 16386, 16388	7581, 7590, 7601,
... 8970, 8981,	\blacktriangleright	8346, 8350, 8398,
9091, 9187, 9201	2797, 16386, 16388	8611, 8748, 8817,
\bidipoem@p@xftntext	\bm@b 26380	8828, 15913, 20121
..... 8969,	\bm@l 26377	\botmark .. 15892, 26817
8980, 9082,	\bm@r 26378	\box 1877, 1995, 1999,
9096, 9186, 9200	\bm@t 26379	2001, 2009, 2015,
\bidipoem@p@xLTRfootnote	\bmb@box 1862,	2017, 2071, 2075,
... 8972, 8983,	1867, 1868, 1869,	2077, 2097, 2106,
9098, 9189, 9203	1872, 1873, 1877,	2108, 2126, 2135,
\bidipoem@p@xLTRftntext	1878, 1879, 1885,	2137, 2175, 2179,
..... 8971,	1886, 1898,	2181, 2188, 2454,
	1904, 1908, 1923	2458, 2506, 2519,



2536, 2541, 2912,	20493,	20503,	20325,	20327,
2918, 2958, 3728,	20511,	21577,	20351, 20352, 20353	
4142, 4421, 7762,	21586,	21624,	\bx@A	7647, 7688
9822, 9886, 9954,	21635,	24211,	\bx@a	7621, 7653, 7694
10111,	24257,	24275,	\bx@AA	7660, 7662, 7700
10131,	25923,	25924,	\bx@B	7647, 7688
10170,	25934,	26130,	\bx@b	7622, 7653, 7694
10180,	26322,	26472,	\bx@BB	7663, 7700
10229,	26476,	26515,	\bx@C	7647, 7688
10239,	26521,	26540,	\bx@c	7623, 7653, 7694
10466,	26556,	26688,	\bx@CC	7664, 7700
10478,	26704,	26715,	\bx@D	7647, 7688
10521,	26728,	26730,	\bx@d	7624, 7653, 7694
10826,	26794, 26798, 26828		\bx@DD	7665, 7700
10899,	\boxdef	4642, 4644,	\bx@E	7647, 7688
12127,	4650, 4655, 4660		\bx@e	7625, 7653, 7694
14839,	\boxmaxdepth		\bx@EE	7666, 7700
15410,	. . . . .	10797, 10802,	\bx@F	7648, 7689
15712,	10818,	10823,	\bx@f	7626, 7654, 7695
15750,	10850,	10907,	\bx@FF	7667, 7701
15883,	15370,	15385,	\bx@G	7648, 7689
15921,	15642,	16437,	\bx@g	7627, 7654, 7695
16491,	16439,	16763,	\bx@GG	7668, 7701
16508,	26543, 26559, 26570		\bx@H	7648, 7689
16588,	\br	20268, 20270,	\bx@h	7628, 7654, 7695
16639,	20272,	20273,	\bx@HH	7669, 7701
16690,	20274,	20278,	\bx@I	7648, 7689
16711,	20334, 20340, 20348		\bx@i	7629, 7654, 7695
16796,	\BR@b@bibitem	7997, 7998	\bx@II	7670, 7701
16816,	\BR@bibitem	8000, 8001	\bx@J	7648, 7689
16862,	\BR@c@bibitem	8002	\bx@j	7630, 7654, 7695
16909,	\bracetext	4109,	\bx@JJ	7671, 7701
18517,	4396,	20368,	\bx@K	7649, 7690
18574,	20369, 26042, 26043		\bx@k	7631, 7655, 7696
18586,	\break	18474	\bx@KK	7672, 7702
18926,	\BreakBibliography	22059,	\bx@L	7649, 7690
19195,	. . . . .	22092, 22094,	\bx@l	7632, 7655, 7696
19234,	22100,	22820,	\bx@LL	7673, 7702
19236,	22853,	22855,	\bx@M	7649, 7690
19239,	22861,	23585,	\bx@m	7633, 7655, 7696
19402,	23618, 23620, 23626		\bx@MM	7674, 7702
19515,	\breakhere	3321, 3329	\bx@N	7649, 7690
19515,	19750,		\bx@n	7634, 7655, 7696
19613,	19756,	19771,	\bx@NN	7675, 7702
19756,	19779,	20087,	\bx@O	7650, 7691
19779,	20095,	20100,	\bx@o	7635, 7656, 7697
20095,	20237,	20241,	\bx@OO	7676, 7703
20237,	20257,	20291,	\bx@P	7650, 7691
20257,	20295,	20300,	\bx@p	7636, 7656, 7697
20295,	20304,	20316,	\bx@PP	7677, 7703
20304,	20327,	20341,	\bx@Q	7650, 7691
20327,	20344,	20348,	\bx@q	7637, 7656, 7697
20344,	20353,	20429,	\bx@QQ	7678, 7703
20353,	20445,	20490,	\bx@R	7650, 7691
20445,				



\bx@r .. 7638, 7656, 7697	19330, 19982,	11509, 15579,
\bx@RR 7679, 7703	20765, 20767,	16269, 16283,
\bx@S 7611,	20769, 21130,	17318, 17428,
7613, 7651, 7692	21132, 21134,	17436, 17466,
\bx@s .. 7639, 7657, 7698	21319, 21321,	17474, 17981,
\bx@SS 7680, 7704	21323, 21501,	18548, 18551,
\bx@T .. 7614, 7651, 7692	21503, 21505, 21506	20782, 20841,
\bx@t .. 7640, 7657, 7698	\c@colht 19455,	20921, 20982,
\bx@TT 7681, 7704	19467, 19493,	21178, 21221,
\bx@U .. 7615, 7651, 7692	19494, 19555,	21408, 21830,
\bx@u .. 7641, 7657, 7698	19567, 19593, 19594	21951, 22570,
\bx@UU 7682, 7704	\c@curpg	22691, 23343, 23464
\bx@V .. 7616, 7651, 7692	15807, 15834, 15835	\c@Hy@AnnotLevel ..
\bx@v .. 7642, 7657, 7698	\c@DFNsloppiness ..	..... 17640,
\bx@VV 7683, 7704	..... 10795, 10816	17641, 17646, 17650
\bx@W .. 7617, 7652, 7693	\c@enumiv . 602, 609,	\c@ll@chapseci ... 9996
\bx@w .. 7643, 7658, 7699	737, 744, 1000,	\c@ll@chapsecii .. 9991
\bx@WW 7684, 7705	1007, 1250, 1257,	\c@lofdepth 24555, 24592
\bx@X .. 7618, 7652, 7693	2612, 2621, 5123,	\c@lor@error . 9960,
\bx@x .. 7644, 7658, 7699	9294, 9301, 9482,	9967, 9975,
\bx@XX 7685, 7705	9489, 9791, 9798,	9981, 25971, 26005
\bx@Y .. 7619, 7652, 7693	11353, 11360,	\c@lotdepth 24573, 24612
\bx@y .. 7645, 7658, 7699	11624, 11631,	\c@lstlisting
\bx@YY 7686, 7705	15528, 15535,	..... 18163, 18165
\bx@Z .. 7620, 7652, 7693	20746, 20753,	\c@LT@chunks ... 18500
\bx@z .. 7646, 7658, 7699	21140, 21147,	\c@mpfootnote . 2290,
\bx@ZZ 7687, 7705	21334, 21341,	2306, 2322,
\bye 4453	21537, 21544,	16191, 16206,
\bystep .. 6549, 6561,	22068, 22077,	16221, 16247, 18691
6645, 6658, 6668,	22084, 22829,	\c@NAT@ctr 19941
6681, 6694, 6695	22838, 22845,	\c@page . 8755, 11077,
	23594, 23603,	11105, 15807,
	23610, 24323, 24330	15834, 25886, 26684
	\c@equation .. 9324,	\c@paragraph .. 573,
	9501, 9746,	730, 984, 1243,
\c 18910, 18911,	11192, 11261,	9321, 9498, 9755,
18925, 19187, 19268	11578, 15635,	11464, 11587,
\c@abspage 15988	15925, 15938,	15632, 15934,
\c@addvipersep 19455,	19330, 20765,	15947, 19325,
19473, 19478,	21134, 21319,	20762, 21127,
19500, 19530,	21501, 22807, 23572	21327, 21510,
19555, 19573,	\c@figure 9326,	22044, 22791, 23560
19578, 19600, 19627	9503, 9748,	\c@part 2647
\c@algocf 168	11580, 15637,	\c@poem@no ... 9024,
\c@chapter ... 9324,	15927, 15940,	9066, 9118, 9129
9326, 9328, 9501,	19331, 20767,	\c@secnumdepth . 304,
9503, 9505, 9746,	21130, 21321,	576, 585, 9565,
9748, 9750, 9751,	21503, 22796, 23565	9760, 11322,
11578, 11580,	\c@footnote ... 128,	11331, 11592,
11582, 11583,	318, 478, 773,	15498, 20527, 21515
15635, 15637,	832, 1025, 1084,	\c@section ... 2672,
15639, 15925,	1275, 1334, 4491,	9318, 9495,
15927, 15929,	9339, 9516,	9752, 11584,
15930, 15938,	9653, 11412,	15629, 15931,
15940, 15942,		
15943, 18163,		

C



15944, 19319,	19675, 19687,	\cals@setcellprevdepth
19992, 20759,	19699, 20675,	..... 9879
21124, 21324,	20691, 20707,	\cals@setpadding . 9879
21507, 22785, 23554	21047, 21063,	\cals@setup@alignment
\c@subparagraph 574,	21079, 21279,	..... 9863, 9878
731, 985, 1244,	21293, 21463,	\cals@table@alignment
9322, 9499, 9756,	21478, 24400,	..... 9868, 9869
11465, 11588,	24404, 24446,	\cals@tbreak@tokens
15633, 15935,	24465, 24487,	..... 9873
15948, 19327,	24504, 24521,	\cals@tfoot@height 9874
20763, 21128,	24538, 24830,	\cals@tfoot@tokens
21328, 21511,	24942, 24980,	..... 9872, 9889
22046, 22793, 23562	25480, 25676, 26382	\cals@thead@tokens 9871
\c@subsection	\c@twb 10121	\cals@vfillAdd 9864,
..... 571, 728,	\c@twcompctr ... 10102	9866, 9892, 9901
982, 1241, 2673,	\c@twcompodctr . 10118	\cals@vfillDrop 9865,
9319, 9496, 9753,	\c@twfirst .. 10103,	9866, 9894,
11462, 11585,	10109, 10116,	9896, 9899, 9903
15630, 15932,	10120, 10129, 10132	\cAny 4631
15945, 19321,	\c@twlftside ... 10107	\cAny 4639
20760, 21125,	\c@twlspec	\cap@indent
21325, 21508,	10121, 10124, 10128	. 22232, 22240,
22040, 22787, 23556	\c@twprune .. 10107,	22250, 22253,
\c@subsectionslide 2675	10108, 10124, 10128	22255, 22993,
\c@subsubsection 572,	\c@twrounds . 10119,	23001, 23011,
729, 983, 1242,	10122, 10125, 10137	23014, 23016,
9320, 9497, 9754,	\c@twrtside 10108	23758, 23766,
11463, 11586,	\c@twslicea . 10105,	23776, 23779, 23781
15631, 15933,	10107, 10111,	\cap@left ... 22164,
15946, 19323,	10114, 10123,	22201, 22925,
20761, 21126,	10124, 10131, 10135	22962, 23690, 23727
21326, 21509,	\c@twsliceb . 10106,	\cap@margin
22042, 22789, 23558	10108, 10111,	22120, 22881, 23646
\c@table 9328,	10114, 10127,	\cap@right .. 22172,
9505, 9750,	10128, 10131, 10135	22268, 22933,
11582, 15639,	\c@twwinlines	23029, 23698, 23794
15929, 15942,	..... 10104, 10117	\cap@width .. 22149,
19332, 20769,	\c@zabspage 15988	22202, 22910,
21132, 21323,	\cals@activate@rtl 9870	22963, 23675, 23728
21505, 22799, 23568	\cals@AtBeginTable 9887	\caption 7430,
\c@thisframe	\cals@AtEndTable . 9889	7431, 7433, 7489,
. 15806, 15811,	\cals@backup@row . 9886	17021, 17039,
15847, 15849, 15850	\cals@borderB 9885	18477, 19406,
\c@tocdepth 3,	\cals@borderL 9882	19408, 22205,
198, 533, 550,	\cals@borderR 9883	22206, 22966,
672, 688, 706,	\cals@borderT 9884	22967, 23731, 23732
899, 932, 950,	\cals@current@context	\caption@@make .. 18535
1155, 1171,	..... 9876	\caption@@par 9907
1189, 9228, 9244,	\cals@last@context 9875	\caption@begin .. 18529
9260, 9405, 9421,	\cals@paddingL 9892,	\caption@belowskip
9437, 9708, 9723,	9894, 9899, 9901	..... 18533
11295, 11309,	\cals@paddingR	\caption@end ... 18537
11564, 15466,	..... 9896, 9903	\caption@hangindent
15481, 17943,	\cals@set@tohsz 9879	..... 9908



<code>\caption@ifdefined</code>	<code>\CenteringLeftskip</code>	<code>\cftparaaftersnum</code>
..... 18532	..... 20542	24531
<code>\caption@LT@make</code>	<code>\CenteringParfillskip</code>	<code>\cftparaaftersnumb</code>
18523	..... 20545	..... 24532
<code>\caption@LT@settype</code>	<code>\CenteringParindent</code>	<code>\cftparafillnum</code>
..... 18524	..... 20546	... 24535
<code>\caption@LT@setup</code>	<code>\CenteringRightskip</code>	<code>\cftparafont</code>
18525	..... 20543	... 24534
<code>\caption@make@above</code>	<code>\centerline</code>	<code>\cftparaindent</code>
..... 18534	... 307, 16491,	.... 24523, 24526
<code>\caption@make@below</code>	16508, 20456, 26308	<code>\cftparanumwidth</code>
..... 18536	<code>\cftbeforechapskip</code>	24529
<code>\caption@makecaption</code>	..... 24448	<code>\cftparapresnum</code>
..... 9905, 18148	<code>\cftbeforefigskip</code>	24530
<code>\caption@normalsize</code>	24556	<code>\cftpartaftersnum</code>
..... 18530	<code>\cftbeforeparaskip</code>	24426
<code>\caption@parindent</code>	..... 24522	<code>\cftpartaftersnumb</code>
9908	<code>\cftbeforepartskip</code>	..... 24427
<code>\caption@prepare@stepcounter</code>	..... 24416	<code>\cftpartfillnum</code>
..... 18528	<code>\cftbeforesecskip</code>	..... 24430
<code>\caption@setautoposition</code>	..... 24467, 24470	<code>\cftpartfont</code>
..... 18526	<code>\cftbeforesubfigskip</code>	... 24429
<code>\caption@starfalse</code>	..... 24593	<code>\cftpartindent</code>
.... 18149, 18527	<code>\cftbeforesubparaskip</code>	.... 24418, 24421
<code>\caption@startrue</code>	..... 24539	<code>\cftpartnumwidth</code>
18150, 18156, 18527	<code>\cftbeforesubsecskip</code>	24424
<code>\captionabove</code>	..... 24488	<code>\cftpartpresnum</code>
22303, 2308, 23065,	<code>\cftbeforesubsubsecskip</code>	.... 24425, 24429
23070, 23830, 23835	..... 24505	<code>\cftpnumalign</code>
<code>\captionbelow</code>	<code>\cftbeforesubtabskip</code>	... 24395
22305, 22310, 23067,	..... 24613	<code>\cftsecaftersnum</code>
23072, 23832, 23837	<code>\cftbeforetabskip</code>	24480
<code>\captionformat</code>	24574	<code>\cftsecaftersnumb</code>
....	<code>\cftchapaftersnum</code>	24481
. 22193, 22225,	..... 24458	<code>\cftsecfillnum</code>
22236, 22247,	<code>\cftchapfillnum</code>	.. 24484
22258, 22954,	... 24461	<code>\cftsecfont</code>
22986, 22997,	<code>\cftchapfont</code>	.... 24483
23008, 23019,	.... 24460	<code>\cftsecindent</code>
23719, 23751,	<code>\cftchapindent</code>	.... 24472, 24475
23762, 23773, 23784	.... 24449, 24452, 24699	<code>\cftsecnumwidth</code>
<code>\captionlabelfalse</code>	<code>\cftchapnumwidth</code>	.. 24478
..... 18154	.... 24455, 24700	<code>\cftsecpresnum</code>
<code>\catcode</code>	<code>\cftchappresnum</code>	.. 24479
..... 4331,	..... 24456	<code>\cftsubfigaftersnum</code>
4454, 5934, 6270,	<code>\cftchapterprecistoc</code>	..... 24602
6271, 6272, 6312,	..... 24698	<code>\cftsubfigaftersnumb</code>
7969, 7991, 8922,	<code>\cftdot</code>	..... 24603
8923, 8925, 8926,	..... 24396	<code>\cftsubfigfillnum</code>
16395, 16396, 16511	<code>\cftdotfill</code>	24606
<code>\Centering</code>	<code>\cftdotsep</code>	<code>\cftsubfigfont</code>
..... 20537	..... 24689	.. 24605
<code>\centering</code>	<code>\cftfigaftersnum</code>	<code>\cftsubfigindent</code>
.... 303,	24565	.... 24594, 24597
3148, 10652,	<code>\cftfigaftersnumb</code>	<code>\cftsubfignumwidth</code>
10665, 10781,	24566	..... 24600
17051, 17136,	<code>\cftfigfillnum</code>	<code>\cftsubfigpresnum</code>
17152, 19353,	.. 24569	24601
19355, 19357,	<code>\cftfigfont</code>	<code>\cftsubparaaftersnum</code>
21918, 22658, 23431	<code>\cftfigindent</code>	..... 24548
	.... 24557, 24560	<code>\cftsubparaaftersnumb</code>
	<code>\cftfignumwidth</code>	..... 24549
	.. 24563	<code>\cftsubparafillnum</code>
	<code>\cftfigpresnum</code>	..... 24552
	.. 24564	<code>\cftsubparafont</code>
		24551
		<code>\cftsubparaindent</code>
		.... 24540, 24543
		<code>\cftsubparanumwidth</code>
		..... 24546
		<code>\cftsubparapresnum</code>
		..... 24547
		<code>\cftsubsecaftersnum</code>
		..... 24497



\cftsubsecaftersnumb	\chapterstyle ... 19334	8755, 8812, 8825,
..... 24498	\char 4292,	8839, 9781, 11614
\cftsubsecfillnum 24501	4614, 4615, 6258	\clearpage 632,
\cftsubsecfont .. 24500	\chardef 6257,	648, 897, 1149,
\cftsubsecindent ..	16395, 18067,	6146, 6147, 6151,
.... 24489, 24492	18068, 18074, 18075	6152, 7062, 7063,
\cftsubsecnumwidth	\check@floats ... 10546	7066, 7708, 8720,
..... 24495	\CheckCommand	8755, 8841, 9222,
\cftsubsecpresnum 24496	.... 17425, 17463	9399, 9609,
\cftsubsubsecaftersnum	\checkoddpagel ... 7324	9783, 11616,
..... 24514	\CIIIIAny 4632	20651, 20906,
\cftsubsubsecaftersnumb	\ciiiiAny 4640	21365, 21923,
..... 24515	\circle 10010,	22663, 23436, 24392
\cftsubsubsecfillnum	10013, 10020,	\clip 3378, 3401
..... 24518	10023, 10033,	\clipbox@
\cftsubsubsecfont 24517	10036, 10043,	\CloneTOCEntryStyle
\cftsubsubsecindent	10046, 10056,	..... 22320,
.... 24506, 24509	10059, 10066,	22333, 22351,
\cftsubsubsecnumwidth	10069, 10079,	22360, 23082,
..... 24512	10082, 10089, 10092	23095, 23114,
\cftsubsubsecpresnum	\cite 8006,	23123, 23847,
..... 24513	8098, 8104, 8105,	23860, 23879, 23888
\cftsubtabaftersnum	8199, 8204, 8225,	\closing 11654
..... 24622	8233, 8254, 8262,	\clubpenalty ... 92,
\cftsubtabaftersnumb	8283, 8301, 8305,	295, 611, 612,
..... 24623	8310, 8314, 8319,	745, 1008, 1258,
\cftsubtabfillnum 24626	8323, 19950, 19951	2624, 2625, 5124,
\cftsubtabfont .. 24625	\citeasnoun 19951	9040, 9302, 9490,
\cftsubtabindent ..	\citeN 19950	9800, 9801,
.... 24614, 24617	\cites 8099	11361, 11633,
\cftsubtabnumwidth	\cl@ckpt 24099	11634, 15536,
..... 24620	\ClassInfo ... 8786,	17908, 19947,
\cftsubtabpresnum 24621	8851, 21728,	20754, 21148,
\cfttabaftersnum 24583	22131, 22140,	21343, 21344,
\cfttabaftersnumb 24584	22314, 22467,	21546, 21547,
\cfttabfillnum .. 24587	22892, 22901,	22086, 22847,
\cfttabfont 24586	23076, 23240,	23612, 24332, 24333
\cfttabindent	23657, 23666, 23841	\coffeeont 19695
.... 24575, 24578	\ClassWarning 21901,	\col@number 132, 137,
\cfttabnumwidth . 24581	21908, 21930,	139, 142, 143,
\cfttabpresnum .. 24582	21936, 21943,	150, 484, 838,
\chapnumfont ... 20526	22204, 22641,	1090, 1340, 9659,
\chapter . 8344, 8372,	22648, 22670,	11418, 11515,
8442, 8450, 8566,	22676, 22683,	11976, 11985,
8572, 9290, 9478,	22965, 23414,	12009, 15434,
9787, 11620,	23421, 23443,	15435, 15585,
15524, 20742,	23449, 23456, 23730	19297, 19637,
21136, 21330, 21533	\ClassWarningNoLine	19719, 19724,
\chapterheadendvskip	..... 19390	19798, 19799,
..... 20532	\clear 7103	19801, 19804,
\chapterheadstartvskip	\cleardoubleemptypage	19805, 19812,
..... 20524	21921, 22661, 23434	20847, 20988,
\chaptermark 8829, 24358	\cleardoublepage ..	21232, 21414,
\chaptername 308, 19339	... 8708, 8753,	21956, 22696, 23469



\col@sep	13294,	13382,	2270, 2287, 2303,
380, 432, 9911,	13412,	13428,	2319, 2335, 8158,
9912, 18489, 26153	13443,	13455,	8176, 8194, 9194,
\color 1588,	13470,	13510,	11753, 11769,
1591, 1628, 1660,	13539,	13552,	11784, 11800,
1683, 1704, 1725,	13566,	13579,	11815, 11828,
1771, 1887, 1889,	13593,	13681,	11841, 11853,
1928, 2023, 2682,	13711,	13727,	11865, 11878,
2687, 2762, 2922,	13742,	13754,	12097, 12200,
3587, 4526, 4527,	13769,	13809,	12230, 12246,
4528, 4529, 4530,	13838,	13851,	12261, 12273,
4531, 5047, 9956,	13865,	13878,	12288, 12328,
9959, 9962, 9980,	13892,	13980,	12357, 12370,
9983, 10646,	14010,	14026,	12384, 12397,
10649, 10659,	14041,	14053,	12411, 12499,
10777, 18654, 25936	14068,	14108,	12528, 12543,
\color@ . . . 25976, 26023	14137,	14150,	12557, 12568,
\color@b@x . . . 9948,	14164,	14177,	12582, 12621,
9986, 9988,	14191,	14279,	12649, 12661,
25929, 26026, 26029	14309,	14325,	12674, 12686,
\color@begingroup .	14340,	14352,	12699, 12786,
. . . 1954, 2250,	14367,	14407,	12816, 12832,
2267, 2284, 2300,	14436,	14449,	12847, 12859,
2316, 2332, 8154,	14463,	14476,	12874, 12914,
8172, 8190, 9192,	14490,	14578,	12943, 12956,
9206, 11751,	14608,	14624,	12970, 12983,
11767, 11782,	14639,	14651,	12997, 13085,
11798, 11813,	14666,	14706,	13115, 13131,
11826, 11839,	14735,	14748,	13146, 13158,
11851, 11863,	14762,	14775,	13173, 13213,
11876, 12198,	14789,	15075,	13242, 13255,
12228, 12244,	15106,	15124,	13269, 13282,
12259, 12271,	15140,	15154,	13296, 13384,
12286, 12326,	15170,	15209,	13414, 13430,
12355, 12368,	15239,	15253,	13445, 13457,
12382, 12395,	15268,	15282,	13472, 13512,
12409, 12497,	15297,	15376,	13541, 13554,
12526, 12541,	15389,	16140,	13568, 13581,
12555, 12566,	16157,	16173,	13595, 13683,
12580, 12619,	16201,	16216,	13713, 13729,
12647, 12659,	16231,	16243,	13744, 13756,
12672, 12684,	16731,	16741,	13771, 13811,
12697, 12784,	16748,	18540,	13840, 13853,
12814, 12830,	18628, 26546,		13867, 13880,
12845, 12857,	26562, 26573, 26581		13894, 13982,
12872, 12912,	\color@block 9953, 25934		14012, 14028,
12941, 12954,	\color@box . 9986, 26026		14043, 14055,
12968, 12981,	\color@endbox . 4881,		14070, 14110,
12995, 13083,	7828, 7872, 7916,		14139, 14152,
13113, 13129,	21649, 21659,		14166, 14179,
13144, 13156,	21677, 26626,		14193, 14281,
13171, 13211,	26670, 26791, 26807		14311, 14327,
13240, 13253,	\color@endgroup . . .		14342, 14354,
13267, 13280,	. . . 1984, 2253,		14369, 14409,



14438,	14451,	25896,	25900,	13549,	13563,
14465,	14478,	25906,	25909, 26477	13576,	13590,
14492,	14580,	\columnseprule	.. 99,	13806,	13835,
14610,	14626,	219,	624, 640,	13848,	13862,
14641,	14653,	889,	1141, 4475,	13875,	13889,
14668,	14708,	4957,	9214, 9391,	14105,	14134,
14737,	14750,	9601,	10166,	14147,	14161,
14764,	14777,	10231,	10463,	14174,	14188,
14791,	15077,	10482,	15705,	14404,	14433,
15108,	15126,	15746,	16584,	14446,	14460,
15142,	15156,	16631,	17916,	14473,	14487,
15172,	15211,	19507,	19609,	14703,	14732,
15241,	15255,	19752,	19763,	14745,	14759,
15270,	15284,	20643,	20898,	14772,	14786,
15299,	15380,	21357,	26468, 26517	14885,	14938,
15393,	16143,	\columnseprulecolor		14990,	15041,
16160,	16176,	....	19751, 19762	15205,	15235,
16204,	16219,	\columnwidth	28, 41,	15249,	15264,
16234,	16264,	55,	71, 232, 244,	15278,	15293,
16734,	16744,	258,	273, 565,	15517,	15521,
16751,	26550,	569,	759, 993,	15704,	15706,
26565,	26577, 26584	1239,	2243, 2260,	15710,	15714,
\color@fb@x	26027, 26028	2277,	2296, 2312,	15742,	15748,
\color@fb@x	9987, 26027	2328,	4119, 4125,	16046,	16049,
\color@hbox	.....	4871,	9316, 9469,	16051,	16136,
.	21646, 21656,	9739,	9743, 9851,	16153,	16169,
21674,	26788, 26804	10164,	10168,	16197,	16212,
\color@setgroup	...	10172,	10176,	16227,	16245,
.....	9989, 26031	10227,	10233,	16526,	16533,
\color@vbox	.. 4859,	10461,	10465,	16580,	16586,
7819,	7863,	10470,	10475,	16629,	16633,
7907,	26617, 26661	10477,	10484,	16637,	16641,
\colorA	9567, 9576, 9588	10795,	10816,	16993,	16994,
\colorB	..... 9573,	11368,	11372,	17930,	18004,
9579,	9585, 9591	11667,	11671,	18008,	18594,
\colorblend	. 25943,	11676,	11718,	18631,	19505,
25944,	25986, 25987	11748,	11764,	19509,	19513,
\colorbox	.... 2007,	11779,	11795,	19516,	19605,
4687,	4689, 4690	11810,	11823,	19611,	19634,
\colorlet	1851, 1856,	11836,	11848,	19663,	19669,
1926,	1927, 1956,	11860,	11873,	19831,	19835,
1958,	2938, 2978	12323,	12352,	19839,	19843,
\columncolor	1494, 9919	12365,	12379,	20739,	21162,
\columnsep	..... 99,	12392,	12406,	21312,	21316,
219,	625, 641,	12616,	12644,	21494,	21498,
890,	1142, 4474,	12656,	12669,	21778,	21817,
4956,	9215, 9392,	12681,	12694,	21818,	22518,
9602,	10175,	12909,	12938,	22557,	22558,
10474,	15713,	12951,	12965,	23291,	23330,
16640,	17916,	12978,	12992,	23331,	26466,
19517,	19634,	13208,	13237,	26470,	26474,
19727,	19773,	13250,	13264,	26478,	26513,
20644,	20899,	13277,	13291,	26519,	26709, 26711
21358,	25891,	13507,	13536,	\contentslabel	....



... 8403, 8410, 8417, 8424, 8431	12468, 12472, 12730, 12734, 12755, 12759, 13029, 13033, 13054, 13058, 13328, 13332, 13353, 13357, 13627, 13631, 13652, 13656, 13926, 13930, 13951, 13955, 14225, 14229, 14250, 14254, 14524, 14528, 14549, 14553, 14861, 14868, 14914, 14921, 14970, 15021, 15425, 15434, 15817, 16546, 16555, 16557, 16604, 16606, 16933, 16939, 26602, 26646, 26754	12131, 18504, 24044, 24082, 26354
\contentsline ... 17256		\crrc 4753, 8990, 24032, 24062, 26164, 26167, 26341
\contentsmargin . 24297		
\contentspush ... 24271		
\convertcolorspec 25950, 25953, 25993, 25996		\CROP@llc 10052 \CROP@lrc 10075 \CROP@ulc 10006 \CROP@urc 10029 \CROP@exectpt ... 10099
\Coord 4628		\cs ... 18765, 18816, 18834, 18888, 18903, 19191, 19193, 20084, 20085
\coord 4633		\cs@a 6343
\CoordIII 4630		
\coordiii 4635		
\Coordn 4629		
\coordn 4634		
\Coordx .. 4625, 4628, 4629, 4630, 4631, 4632, 4633, 4634, 4635, 4639, 4640		
\coordx 4636		
\Coordy .. 4626, 4628, 4629, 4630, 4631, 4632, 4633, 4634, 4635, 4639, 4640		
\coordy 4637		
\Coordz .. 4627, 4630, 4632, 4635, 4640	\count@ 1434, 1493, 5294, 5299, 5310, 5314, 7150, 7151, 7153, 9917, 19714, 19715, 19717, 19719, 19726, 19747, 19748, 19750, 19767, 19768, 19771, 20056, 20064, 20077, 24138	8, 44, 58, 74, 166, 168, 203, 247, 261, 276, 333, 334, 386, 1397, 2249, 2266, 2283, 2299, 2315, 2331, 2364, 2390, 2416, 2435, 2464, 4716, 4717, 4731, 4732, 4758, 4761, 4764, 4780, 4788, 4796, 4851, 5138, 5141, 5144, 5146, 5148, 5151, 5154, 5162, 5163, 5168, 5175, 5177, 5179, 5180, 5181, 5182, 5185, 5187, 5191, 5193, 5222, 5223, 5246, 5247, 5274, 5301, 5305, 5316, 5320, 5324, 5328, 5339, 5347, 5355, 5363, 5365, 5367, 5371, 5372, 5436, 5478, 5488, 5494, 5495, 5497, 5498, 5500, 5501, 5503, 5505, 5507, 5509, 5711, 5712, 5714, 5715, 5718, 5719, 5728, 5729, 5764, 5765, 5788, 5843, 5844, 5845, 5846, 5852, 5853, 5854, 5855, 5938, 5939, 5942, 5943, 6008, 6179, 6180, 6182, 6193, 6194, 6196,
\coordz 4638		
\copy 1904, 7815, 7859, 7903, 9855, 10144, 10207, 10316, 10806, 10827, 15687, 15723, 16554, 16603, 16804, 16850, 18565, 18577, 18581, 19439, 19539, 20361, 20444, 20534, 26129, 26446, 26493, 26613, 26657, 26720	\counterwithout 19335, 19336, 19337, 19338	
\cor@height . 19462, 19463, 19490, 19491, 19530, 19562, 19563, 19590, 19591, 19627	\coverpagebottommargin 21810, 22550, 23323	
\count 4114, 4401, 4854, 6576, 7804, 7848, 7892, 11977, 12109, 12114, 12144, 12148, 12169, 12173, 12443, 12447,	\coverpageleftmargin . 21805, 21806, 21808, 22545, 22546, 22548, 23318, 23319, 23321	
	\coverpagerightmargin 21808, 22548, 23321	
	\coverpagetopmargin 21804, 21810, 22544, 22550, 23317, 23323	
	\cr 406, 8987, 8994, 9050, 12126, 12129,	



6207, 6217, 6226,	13143,	13155,	16230,	16277,
6227, 6228, 6229,	13170,	13210,	16292,	17258,
6252, 6276, 6281,	13239,	13252,	17261,	17263,
6285, 6301, 6319,	13266,	13279,	17267,	17271,
6321, 6329, 6331,	13293,	13381,	17285,	17296,
6340, 6341, 6421,	13411,	13427,	17307,	17507,
6425, 6458, 6460,	13442,	13454,	17538,	17569,
6471, 6472, 6486,	13469,	13509,	17948,	18357,
6494, 6496, 6523,	13538,	13551,	18423,	19419,
6544, 6581, 6582,	13565,	13578,	19420,	19427,
6583, 6599, 6600,	13592,	13680,	21690,	21694,
6601, 6602, 6704,	13710,	13726,	21698,	21781,
6707, 6711, 6728,	13741,	13753,	22005,	22323,
6731, 6733, 6743,	13768,	13808,	22325,	22327,
6746, 6748, 6755,	13837,	13850,	22330,	22336,
6760, 6765, 6775,	13864,	13877,	22344,	22346,
6791, 6794, 6808,	13891,	13979,	22348,	22354,
6820, 6852, 6863,	14009,	14025,	22356,	22429,
6947, 6950, 6990,	14040,	14052,	22433,	22437,
7039, 7179, 7200,	14067,	14107,	22521,	22745,
7551, 7552, 7559,	14136,	14149,	23085,	23087,
7560, 8152, 8170,	14163,	14176,	23089,	23092,
8188, 8219, 8248,	14190,	14278,	23098,	23106,
8277, 8519, 9045,	14308,	14324,	23108,	23111,
9073, 9076, 9079,	14339,	14351,	23117,	23119,
9093, 9100, 9107,	14366,	14406,	23202,	23206,
9115, 9116, 9154,	14435,	14448,	23210,	23294,
9179, 9180, 9962,	14462,	14475,	23518,	23850,
9968, 9976, 9983,	14489,	14577,	23852,	23854,
11750, 11766,	14607,	14623,	23857,	23863,
11781, 11797,	14638,	14650,	23871,	23873,
11812, 11825,	14665,	14705,	23876,	23882,
11838, 11850,	14734,	14747,	23884,	24034,
11862, 11875,	14761,	14774,	24060,	24062,
12042, 12197,	14788,	15073,	24094,	24116,
12227, 12243,	15104,	15122,	24118,	24134,
12258, 12270,	15138,	15152,	24135,	24155,
12285, 12325,	15168,	15207,	24162,	24375,
12354, 12367,	15237,	15251,	24639,	24640,
12381, 12394,	15266,	15280,	24656,	24657,
12408, 12496,	15295,	15644,	24658,	24665,
12525, 12540,	15795,	15796,	24667,	24668,
12554, 12565,	15801,	15802,	24721,	24722,
12579, 12618,	15907,	15908,	24880,	24881,
12646, 12658,	15909,	15910,	24985,	25010,
12671, 12683,	15912,	15914,	25037,	25041,
12696, 12783,	15915,	15916,	25045,	25102,
12813, 12829,	15917,	15919,	25154,	25157,
12844, 12856,	15920,	15921,	25171,	25187,
12871, 12911,	15978,	16002,	25188,	25204,
12940, 12953,	16020,	16106,	25211,	25216,
12967, 12980,	16115,	16138,	25234,	25235,
12994, 13082,	16155,	16171,	25247,	25248,
13112, 13128,	16200,	16215,	25303,	25358,



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24868, 25118,	10874, 10876,	\dfn@RTLmakecol ...
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..... 25150	\dfn@elt@getht	\DFNcolumnsep
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\delimiter	\dfn@fnht ... 10809,	\DFNcolumnwidth ...
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19236, 19243, 19268	10881, 10882,	10857, 10860,
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	3305, 3306, 3321,	11648, 15557,	\endbidi@switch ...
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24094,	24116,	6138,	6145, 6162	17421,	17446,
24118,	24134,	\endflushleft	4670, 4678	17484,	17517,
24135,	24155,	\endgraf	18519, 18535,	17548,	17579,
24162,	24375,	22288,	23050, 23815	17808,	17819,
24639,	24640,	\endgroup	17, 127, 212,	17957,	17980,
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25515,	25517,	9720,	9735, 9941,	\endL	183, 1524, 1984,
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25935, 25974,	22170, 22931,	11160, 11162,
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26042, 26061,	24033, 24058,	11165, 11167,
26715, 26790, 26806	24064, 24211,	11168, 11169,
\endlist ... 96, 299,	25931, 25935,	11181, 11184,
617, 749, 980,	25937, 26031,	11186, 11188,
1012, 1262, 2630,	26043, 26051,	11189, 11191,
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15540, 17912,	26342, 26715,	11204, 11207,
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21552, 22104,	26825, 26828, 26836	11223, 11230,
22865, 23630, 24338	\endrotate 21657	11238, 11245,
\endlooprepeat	\endRTL 20409, 26095, 26103	11247, 11250,
.. 6586, 6615, 6622	\ends@math 9839	11254, 11255,
\endLTR 20407, 26085, 26093	\endsideways ... 21675	11256, 11257,
\endMakeFramed .. 16394	\endsidewaysfigure 21595	11269, 11271, 11272
\endmath 9839	\endsidewaysstable 21596	\eq@addpunct 9844
\endmdf@lrbox ... 18663	\endstabular 24032, 24034	\EQ@box 9849, 9855
\endminipage 12085, 16254, 24216	\endstrip 19641	\eq@group ... 9812, 9821
\endmodernpoem ... 9180	\endtabular 383, 386,	\eq@GRP@first@dmath 9821
\endpgfpicture .. 20176	1396, 1397, 4753,	\eq@if . 5297, 5298, 5300
\endpspicture ... 20461	24058, 24060,	\eq@isIntertext .. 9859
\endR 181,	24144, 26341, 26343	\eq@prelim .. 9812, 9829
336, 348, 383,	\endtabularx 24095, 24124, 24135	\eq@setnumber 9815
425, 1395, 1396,	\endtcbl@lrbox 24216, 24217	\eq@setup@a 9817
1513, 3322, 3330,	\endtcbl@savebox . 24217	\eq@startup 9818
3338, 3510, 4753,	\endtcbl@vbox ... 24227	\eq@wdCond 9836
4754, 9847, 9934,	\endtitlepage .. 659,	\eqnewif . 4065, 4066,
9950, 9955, 9957,	966, 1218, 9288,	4071, 4082, 5293
9989, 11069,	9476, 20662, 21112	\eqno 327, 20452,
12126, 15793,	\endtraditionalpoem 9116	20454, 26831, 26833
16787, 16792,	\endtrivlist ... 15789	\eqnumform 9847
16849, 16888,	\endturn 21647	\eqstyle 9814
16895, 17264,	\endwindow 20239	\equal 5065,
17272, 17654,	\enskip ... 25601, 25626	5082, 5086, 5090,
17690, 17722,	\enspace 308, 20233, 20235	7382, 7416, 7427,
17751, 17777,	\ensuremath 4039	7459, 7460, 7476,
17787, 17790,	\env@RTLcases 26169, 26173	7517, 7775, 8017,
17987, 18107,	\EQ 11133,	8018, 8036, 8037,
18513, 18574,	11139, 11140,	8055, 8056, 8087,
18577, 18617,	11144, 11145,	8088, 10760, 15898
18708, 18716,	11154, 11155,	\errmessage 4110, 4397, 19729
18907, 19233,	11157, 11159,	\ERROR 26428
19397, 19399,		\escapechar 5202, 5294,
20237, 20369,		5299, 5310, 5314,
20377, 20456,		5512, 6268, 6273,
20457, 20458,		6275, 6277, 6290
21648, 21658,		\ESO@isMEMOIR ... 11074
21667, 21676,		



<code>\ESO@tempdima</code>	11079, 11080, 11081, 11083, 11087, 11089, 11090, 11091, 11096, 11103, 11107, 11109, 11113, 11115, 11119, 11126	8629, 10593, 10691	5497, 5498, 5500, 5501, 5503, 5505, 5507, 5509, 5513, 5759, 5760, 5761, 5762, 5763, 5765, 5788, 5792, 5843, 5844, 5845, 5846, 5852, 5853, 5854, 5855, 5938, 5939, 5953, 5954, 5955, 5957, 5964, 5965, 5968, 5983, 5990, 5999, 6008, 6179, 6193, 6207, 6217, 6226, 6227, 6228, 6229, 6244, 6271, 6272, 6281, 6285, 6340, 6341, 6353, 6354, 6449, 6451, 6458, 6460, 6462, 6464, 6465, 6466, 6486, 6488, 6491, 6494, 6495, 6496, 6498, 6501, 6506, 6569, 6581, 6583, 6599, 6600, 6601, 6602, 6640, 6651, 6656, 6670, 6703, 6704, 6705, 6708, 6711, 6727, 6728, 6742, 6743, 6755, 6760, 6765, 6775, 6791, 6794, 6820, 6863, 6925, 6934, 6946, 6948, 6949, 6989, 6999, 7000, 7021, 7038, 7049, 7051, 7178, 7179, 7978, 8519, 8949, 9074, 9077, 9080, 9083, 9086, 9089, 9115, 9116, 9179, 9180, 9194, 9347, 9356, 9364, 9524, 9533, 9541, 9809, 9919, 9961, 9982, 10149, 10151, 10212, 10214, 12042, 12099, 15691, 15693, 15727, 15729, 15795, 15796, 15801, 15802, 15899,
<code>\ESO@tempdimb</code> 11094, 11096, 11121, 11122, 11123, 11124, 11126		
<code>\evenpage</code> 4459, 4462, 4463, 4464, 4466, 4467, 4468, 4469, 4471		
<code>\evensidemargin</code> 4483, 11107, 11115, 16936, 16941, 16949, 21806, 22546, 23319, 26756, 26764		
<code>\everycr</code> 18509		
<code>\everydisplay</code> 9809		
<code>\everyhbox</code>	.. 20371, 20373, 20381, 20383, 26045, 26047, 26055, 26057		
<code>\everyjob</code> 4037, 4038, 4365, 4366		
<code>\everymath</code> 346		
<code>\everypar</code> 545, 700, 944, 1183, 7834, 7878, 7922, 9255, 9432, 9719, 11574, 15477, 15671, 20363, 20367, 20595, 20702, 21074, 21289, 21474, 24434, 24438, 24973, 26037, 26041, 26087, 26097, 26632, 26676		
<code>\everyvbox</code>	... 1399, 1400, 20391, 20393, 20399, 20401, 26065, 26067, 26074, 26076		
<code>\ExecuteDoHook</code>	21703, 21725, 22442, 22464, 23215, 23237		
<code>\ExecuteOptions</code>	4916, 7246, 8627,		
<code>\ExecuteOptionsX</code>	. 4266		
<code>\exhyphenpenalty</code> 651, 958, 1152, 9225, 9402, 20654, 21104, 21166		
<code>\exp</code>	.. 18784, 18787, 18841, 19016, 19070		
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15980,	15983,	23116,	23118,	26002,	26016,
16004,	16007,	23213,	23294,	26017,	26021,
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16035,	16036,	23564,	23567,	26404,	26416,
16037,	16039,	23663,	23672,	26451,	26453,
16266,	16421,	23849,	23851,	26498, 26500, 26889	
16443,	16444,	23853,	23856,	\ExplSyntaxOff .	420,
16452,	16563,	23862,	23870,	431, 20005, 20104	
16565,	16612,	23872,	23875,	\ExplSyntaxOn ..	387,
16614,	16833,	23881,	23883,	422, 20000, 20083	
16871,	16872,	24034,	24060,	\extrafeetendmini .	
17289,	17291,	24093,	24096,	.... 12079, 12084	
17300,	17302,	24116,	24119,	\extrafeetendminihook	
17311,	17313,	24121,	24123,	.... 12082, 12083	
17416,	17430,	24134,	24135,	\extrafeetins	
17444,	17468,	24143,	24147,	.... 11957, 11958	
17482,	17515,	24149,	24156,	\extrafeetinshook .	
17546,	17577,	24158,	24163,	.... 11962, 11963	
17808,	17809,	24165,	24174,	\extrafeetminihook	
17816,	17830,	24639,	24640,	..... 12078	
18121,	18122,	24656,	24657,	\extrainfo	5008
18127,	18128,	24658,	24665,	\extrarowheight ...	
18506,	18549,	24667,	24668,	. 390, 18480, 18488	
18552,	19409,	24721,	24880,	\extrarulesep ...	24087
19412,	19444,	24985,	25010,	\extratitle	
19446,	19544,	25037,	25041,	22026, 22766, 23539	
19546,	20120,	25045,	25101,		
20137,	20149,	25154,	25157,	F	
20154,	20365,	25171,	25187,	\f@nch@everypar .	15671
20790,	20799,	25204,	25211,	\f@nch@foot .	15678,
20807,	20833,	25216,	25233,	15679, 15680, 15681	
20836,	20929,	25234,	25246,	\f@nch@head .	15673,
20938,	20946,	25247,	25303,	15674, 15675, 15676	
20974,	20977,	25357,	25359,	\f@size	347
21560,	21572,	25361,	25377,	\fakeslideentry ..	2693
21582,	21603,	25381,	25386,	\FamilyKeyState .	25152
21618,	21630,	25388,	25391,	\FamilyKeyStateProcessed	
21701,	21781,	25395,	25400,	..... 25152	
21882,	22005,	25404,	25408,	\familyname	5001
22137,	22146,	25422,	25427,	\familynamecolour .	
22322,	22324,	25429,	25433,	4970, 10597, 10695	
22326,	22329,	25438,	25442,	\familynamefont 4979,	
22335,	22343,	25447,	25450,	4987, 10637, 10731	
22345,	22347,	25451,	25454,	\familynamestyle ..	
22353,	22355,	25458,	25518,	..... 4987,	
22440,	22521,	25522,	25543,	10648, 10738, 10759	
22622,	22745,	25547,	25609,	\FamilySetBool ..	25151
22780,	22795,	25613,	25709,	\fancy@oval ...	15641
22798,	22802,	25710,	25712,	\fancyfoot ...	5100,
22898,	22907,	25715,	25716,	7602, 7603, 10663	
23084,	23086,	25719,	25944,	\fancyhead 7591, 7592,	
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25860,	25865,	26439,	26441, 13046	
25868,	25869,	26461,	26485,	\fivecolumnfootnotes	
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25875,	25878,	26528,	26531,	\Fld@width .. 17836,	
25880,	25886,	26534,	26552,	17844, 17852, 17860	
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25911,	25912,	26587,	26596,	\float@newx 15794	
25919,	25924,	26605,	26640,	\floatalignment 7386,	
25927,	25930,	26649,	26681,	7387, 7428, 7429,	
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25951,	25957,	26710,	26714,	\floatc@biditytfloatplain	
25963,	25964,	26715,	26719,	... 7726, 7736,	



7743, 7749, 7757	\fontsize 303,	\footdir@toks
\floatc@biditytfloatplain	8712, 8714, 8716,	. 15966, 16033,
7743	10636, 10728,	16034, 16035, 16039
\floatc@biditytfloatruled	17936, 20063, 20076	\footdir@write
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\floatc@plain . . . 15791	20136, 20146, 20148	\footersymbol 10655,
\floatingpenalty 41,	\footdir@abspage . .	10656, 10671,
55, 71, 244, 15995,	10672, 10673, 10674
258, 273, 10810,	15998, 15999,	\footfootmark
10831, 10878,	16002, 16003, 16006	. 11725, 11911,
10885, 10930,	\footdir@debug 15967,	12299, 12592,
10937, 11971,	15975, 15979,	12885, 13184,
16135, 16152, 16168	15982, 15992,	13483, 13782,
\floatstyle 7777	15999, 16003, 16006	14081, 14380,
\flushleft . . 4667, 4676	\footdir@debugfalse	14679, 15179, 16326
\FN@sf@@footnote 4219	\footfudgefactor . .
4694, 4698	\footdir@debugtrue	. 14826, 14888,
\FN@sf@@footnotemark 4217, 15965	14941, 14993, 15044
4723, 4725	\footdir@fntext . . .	\footins . 35, 49, 65,
\FN@sf@@LTRfootnote	16013, 16030, 16032	238, 252, 267,
4695, 4704	\footdir@LeftRightElse	10810, 10831,
\FN@sf@@RTLfootnote	15973, 15989, 16066	10835, 10836,
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3404, 3406, 3411,	\footdir@ORG@bidi@beamer@LTRfootnotetext	16129, 16146,
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3381, 3384, 3385 16186	16682, 16692,
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. . 3375, 3381, 3385 16188	16740, 16743,
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3365, 3367, 3368,	\footdir@temp . . . 79,	26545, 26549,
3376, 3391, 3394,	80, 81, 282, 283,	26554, 26572, 26576
3404, 3406, 3411,	284, 2341, 2342,	\footinsdim . 11967,
3412, 3414, 3415	2343, 16025,	11968, 12110,
\font 23974, 23975	16186, 16187, 16188	12115, 12143,
\fontdimen 23974, 23975		



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12837,	12838,	15144,	15160,	14224,	14225,
12849,	12863,	15443, 15456, 15460		14249,	14250,
13032,	13033,	\footinsv@r .	11959,	14269,	14288,
13057,	13058,	12107,	12108,	14292,	14299,
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13098,	13105,	12143,	12144,	14346,	14359,
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13136,	13137,	12188,	12207,	14523,	14524,
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13356,	13357,	12265,	12278,	14591,	14598,



14613, 14630,	10862, 10890,	\footnotetext . 4758,
14645, 14658,	10891, 10908,	4769, 9073, 9083
14659, 14670,	10912, 10916,	\footrulewidth
14860, 14861,	10942, 10943,	..... 4948, 7587
14901, 14913,	11717, 12093,	\footscript
14914, 14954,	15378, 15391,	. 11908, 11914,
15063, 15084,	15957, 16054,	11918, 11920,
15088, 15095,	16058, 16061,	16329, 16333, 16335
15111, 15130,	16076, 16081,	\footskip ... 21813,
15146, 15161,	16082, 16084,	22553, 23326, 26803
15162, 15174,	16743, 16776,	\foottextfont
15442, 15455, 15459	19794, 20432,	. 11726, 11746,
\footmarkstyle	24228, 26548, 26575	11762, 11823,
.... 11908, 11947	\footnotes 8109	11836, 11964,
\footmarkwidth	\footnotesep 29, 31,	12137, 12162,
. 11907, 11912,	40, 46, 54, 60,	12194, 12224,
11913, 11915,	70, 76, 233, 235,	12299, 12322,
11917, 11920,	243, 249, 257,	12351, 12436,
11924, 11925,	263, 272, 278,	12461, 12493,
11927, 11929,	2252, 2269, 2286,	12522, 12592,
11932, 11936,	2302, 2318, 2334,	12615, 12643,
11937, 11939,	10807, 10828,	12723, 12748,
11941, 11944,	10853, 10910,	12780, 12810,
11951, 11954,	11726, 11732,	12885, 12908,
16327, 16328,	11738, 11972,	12937, 13022,
16330, 16332,	14894, 14947,	13047, 13079,
16335, 16339,	14999, 15050,	13109, 13184,
16340, 16342,	16134, 16142,	13207, 13236,
16344, 16347,	16151, 16159,	13321, 13346,
16351, 16352,	16167, 16175,	13378, 13408,
16354, 16356, 16359	16203, 16218,	13483, 13506,
\footnote 442,	16233, 17931, 17933	13535, 13620,
516, 769, 868,	\footnotesize	13645, 13677,
1021, 1120,	.... 38, 52, 68,	13707, 13782,
1271, 1371, 2345,	106, 226, 241,	13805, 13834,
4694, 4697, 8294,	255, 270, 438,	13919, 13944,
8613, 8644, 9335,	765, 1017, 1267,	13976, 14006,
9512, 9617, 9691,	5078, 5100, 7266,	14081, 14104,
11380, 11448,	7267, 7305, 7924,	14133, 14218,
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15547, 15615,	8148, 8166, 8184,	14305, 14380,
19348, 19351,	9331, 9508, 9613,	14403, 14432,
20778, 20877,	11376, 11469,	14517, 14542,
20915, 21021,	11964, 11965,	14574, 14604,
21175, 21263,	11966, 15543,	14679, 14702,
21372, 21446,	16125, 16126,	14731, 14831,
21827, 22567, 23340	16127, 16132,	14854, 14883,
\footnotelayout ...	16149, 16165,	14893, 14907,
.. 8112, 8113, 8116	16196, 16211,	14936, 14946,
\footnotemark . 4723,	16226, 17923,	15070, 15101,
4724, 16267,	20233, 20235,	15179, 15204, 15234
16281, 19349, 19352	20774, 20911,	\forcerectofloat . 7389
\footnoterule 10789,	21171, 21368,	\forceversofloat . 7390
10851, 10857,	21823, 22563, 23336	\forvariable . 6549,



6555, 6631, 6667, 6674, 6679, 6685, 6690, 6694, 6695	\ftn@rule@width 21771, 21778, 22511, 22518, 23284, 23291	19057, 19064, 19066, 19069, 19070, 19074, 19076, 19077, 19080, 19081, 19082, 19086, 19087, 19091, 19092, 19099, 19114, 19115, 19116, 19118, 19123, 19126, 19127, 19130, 19134, 19135, 19136, 19140, 19141, 19142, 19149, 19150, 19151, 19153, 19154, 19157, 19158, 19163, 19169, 19180, 19185, 19186, 19187, 19191, 19194, 19195, 19196, 19197, 19199, 19207, 19221, 19222, 19223, 19224, 19226, 19229, 19237, 19238, 19241, 19245, 19246, 19248, 19250, 19251, 19252, 19256, 19257, 19258, 19263, 19270, 20086, 20094, 20097
\FourColumnFootnotes 12747	\ftn@font 21763, 22503, 23276	
\fourcolumnfootnotes 12722	\full@width 19721, 19733, 19781	
\fp 19005, 19006, 19007, 19008	\futurelet 818, 820, 1070, 1072, 1320, 1322, 5267, 6349, 6352, 20827, 20829, 20968, 20970	
\fps@figure 17004		
\framebox ... 10646, 10777, 19663, 19669		
\FrameCommand ... 16383		
\FrameHeightAdjust 16457		
\FrameRestore 16391, 16395, 16511, 16512		
\framewidth 2241, 2258, 2275		
\fromaddress 11641, 11647, 11657, 17989, 17995		
\fromname 11662		
\fromsig .. 11661, 11663		
\fromvalue 6549, 6635, 6658, 6680, 6695		
\frontmatter 8811		
\fs@bidituftefloatboxed 7755		
\fs@bidituftefloatplain 7734, 7742		
\fs@bidituftefloatplaintop 7742		
\fs@bidituftefloatruled 7747		
\fslice 20250, 20251, 20253, 20254, 20257		
\ftn@amount . 16659, 16660, 16661, 16668, 16672, 16673		
\ftn@font ... 21724, 21760, 22463, 22500, 23236, 23273		
\ftn@rule@height 21768, 21771, 21775, 21778, 22508, 22511, 22515, 22518, 23281, 23284, 23288, 23291		
\ftn@rule@test@values 21767, 21774, 22507, 22514, 23280, 23287		
	G	
	\g 11152, 11154, 11158, 11251, 18703, 18708, 18710, 18716, 18718, 18761, 18765, 18766, 18812, 18816, 18817, 18834, 18835, 18872, 18888, 18891, 18897, 18898, 18899, 18900, 18901, 18910, 18911, 18913, 18915, 18916, 18917, 18924, 18925, 18930, 18936, 18945, 18948, 18956, 18957, 18960, 18961, 18962, 18963, 18964, 18965, 18967, 18970, 18971, 18973, 18976, 18978, 18981, 18986, 18994, 18995, 18997, 18998, 18999, 19000, 19001, 19002, 19003, 19005, 19006, 19007, 19008, 19010, 19011, 19021, 19029, 19030, 19031, 19033, 19038, 19039, 19044, 19045, 19049, 19054,	
		\g@addto@macro 6794, 7038, 7123, 7133, 7384, 8070, 8072, 11181, 11184, 11186, 14881, 14934, 14986, 15037, 15441, 15446, 15454, 15458, 18592, 25385, 25714
		\g@mix@page@int . 19143
		\gdef 429, 2464, 2466, 4597, 4969, 4970, 4971, 4972, 4973, 4974, 4976, 4977, 5138, 5162, 5505, 6227, 6313, 6315, 6325, 6327,



6644, 6646, 6647, 7117, 7128, 7402, 7403, 7405, 7408, 7488, 7493, 7494, 7495, 7647, 7688, 8067, 8205, 8234, 8263, 8302, 8311, 8320, 8649, 8666, 8682, 8694, 8734, 8735, 8736, 8923, 8926, 9181, 9193, 9195, 10156, 10219, 11135, 11148, 12042, 15396, 15407, 15418, 15419, 15698, 15734, 16020, 16080, 16570, 16619, 18162, 18165, 19451, 19551, 20008, 20029, 20424, 23972, 24237, 24238, 24243, 24266, 24267, 25711, 26118, 26178, 26401, 26458, 26505	\geometry 2035, 2037, 2043, 2045, 7288, 7291, 7295, 7298, 7302	\Gin@angle 20069	\Gin@bboxtrue . . . 16821	\Gin@defaultbp 16822, 16823, 16824, 16825, 24199, 24200, 24203	\Gin@eheight . . . 20071	\Gin@esetsize . . . 16840	\Gin@ewidth 20070, 20071	\Gin@exclamation . . 16870, 20070, 20073	\Gin@gridfalse . . 20056	\Gin@ii 16829	\Gin@iii . . 16818, 16832	\Gin@llx 16822	\Gin@lly 16823	\Gin@outer@scalex 20067	\Gin@outer@scaley 20068	\Gin@scalex 20072	\Gin@scaley 20073	\Gin@urx 16824	\Gin@ury 16825	\Gin@graphics 16826, 16838	\Gin@path . . . 18903	\global 301, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 491, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 544, 545, 699, 700, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 845, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 943, 944, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1097, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1182, 1183, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1347, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1489, 1490, 1844, 2239, 2256, 2273, 2290, 2291, 2306, 2307, 2322, 2323, 2427, 2434, 2458, 2541, 2669, 4500, 4501, 4502, 4503, 4504, 4505, 4506, 4507, 4508, 4509, 4510, 4756, 4759, 4762, 4765, 4769, 4772, 4775, 4854, 4858, 4880, 5163, 5177, 5179, 5185, 5187, 5198, 5204, 5216, 5240, 5347, 5363, 5529,	5583, 5637, 6449, 6451, 6471, 6472, 6483, 6491, 6501, 6614, 6633, 6635, 6637, 6649, 6654, 7253, 7387, 7431, 7432, 7804, 7815, 7818, 7848, 7859, 7862, 7892, 7903, 7906, 7960, 8727, 8924, 8927, 8945, 8949, 8965, 8976, 9002, 9003, 9030, 9043, 9044, 9064, 9074, 9077, 9080, 9083, 9086, 9089, 9121, 9131, 9145, 9147, 9152, 9153, 9159, 9160, 9162, 9182, 9194, 9196, 9254, 9255, 9373, 9374, 9375, 9376, 9377, 9378, 9379, 9380, 9381, 9382, 9431, 9432, 9550, 9551, 9552, 9553, 9554, 9555, 9556, 9557, 9558, 9559, 9637, 9638, 9639, 9640, 9641, 9642, 9643, 9644, 9645, 9646, 9647, 9648, 9666, 9672, 9673, 9674, 9675, 9676, 9677, 9678, 9679, 9680, 9681, 9682, 9683, 9684, 9718, 9719, 9811, 9821, 9822, 9823, 9824, 9825, 9826, 9827, 9828, 9836, 9849, 9854, 9858, 9914, 10143, 10144, 10154, 10161, 10195, 10206, 10207, 10217, 10224, 10254, 10279, 10298, 10495, 10506, 10519, 10531, 10533, 10542, 10544, 10545, 10548, 10551, 10561, 10568,
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21216,	21239,	22772,	22773, 1850, 1855	
21245,	21246,	22775,	23065,	\GlobalSetatBoolean	



993, 1165, 1239,	15342,	15521,	25685,	25686,
1441, 1500, 1628,	15659,	15703,	25889,	25923,
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1868, 1877, 1884,	15836,	16046,	26128,	26129,
1910, 1922, 1923,	16778,	16779,	26133,	26134,
1954, 1999, 2004,	16787,	16792,	26140,	26141,
2015, 2023, 2069,	16803,	16804,	26153,	26159,
2071, 2073, 2075,	16849,	16850,	26321,	26330,
2077, 2078, 2080,	16888,	16895,	26332,	26337,
2091, 2106, 2111,	17930,	17936,	26347,	26362,
2120, 2135, 2144,	17955,	18008,	26391,	26392,
2145, 2156, 2158,	18492,	18512,	26717, 26727, 26729	
2173, 2175, 2177,	18517,	18574,	\hboxL 192,	
2179, 2181, 2185,	18577,	18889,	4125, 4127, 4407,	
2202, 2206, 2213,	18905,	18906,	16491, 16508,	
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2498, 2658, 2663,	19186,	19196,	\hboxR 190, 4119, 4121,	
2670, 2807, 2808,	19232,	19267,	4405, 20370, 26044	
2809, 2817, 2824,	19681,	19715,	\head@style 649, 956,	
2831, 2909, 3234,	19731,	19733,	1150, 1383, 9223,	
3240, 3246, 3313,	19843,	20092,	9400, 20652,	
3314, 3319, 3321,	20094,	20097,	21035, 21102, 21164	
3323, 3327, 3329,	20178,	20233,	\headheight . . 2181,	
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3431, 3457, 3545,	20290,	20294,	15879, 21811,	
3586, 3587, 3656,	20299,	20303,	22551, 23324, 26786	
3693, 3699, 3700,	20315,	20326,	\headrulewidth	
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7453, 7458, 7491,	20443,	20444,	15880, 21812,	
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7728, 7761, 8079,	20448,	20474,	\headwidth 5037	
8118, 8145, 8163,	20492,	20503,	\height 16794, 16868,	
8181, 8303, 8312,	20511,	20523,	17076, 17078,	
8321, 8756, 8764,	20685,	20739,	17082, 17084,	
8883, 8933, 8937,	21057,	21162,	17111, 17112,	
8948, 8965, 8976,	21286,	21316,	17115, 17116,	
9182, 9196, 9238,	21498,	21667,	17173, 17174,	
9316, 9415, 9469,	21724,	21760,	17177, 17178,	
9743, 9855, 9921,	21763,	21778,	17206, 17208,	
9950, 10110,	22285,	22463,	17212, 17214,	
10113, 10130,	22500,	22503,	19235, 19243, 19268	
10134, 10854,	22518,	23047,	\hfил . . . 15, 210, 541,	
10857, 10860,	23236,	23273,	560, 696, 723,	
10911, 10912,	23276,	23291,	925, 940, 1088,	
10914, 11138,	23812,	23989,	1179, 1207, 1437,	
11143, 11149,	24037,	24050,	1438, 1439, 1440,	
11372, 11671,	24078,	24089,	1468, 1469, 1470,	
14824, 14834,	24128,	24198,	1476, 1477, 1478,	
14839, 15306,	25576,	25577,	1628, 1659, 1661,	
15317, 15333,	25626,	25628,	1682, 1684, 1703,	



1705, 1724, 1726,	8915, 9927, 9928,	. 11704, 17311,
2141, 2145, 2167,	10647, 19683,	17325, 17349, 17412
2181, 2184, 2437,	19707, 19868,	\hoffset 4480
2498, 2817, 2824,	19871, 19872,	\hold@viper . 10177,
2831, 3234, 3240,	19873, 19876,	10180, 10236,
3246, 4466, 4471,	19877, 19878,	10239, 10307,
8934, 8936, 9041,	19879, 19880,	10310, 10494,
9252, 9277, 9429,	19883, 19884,	10495, 10506,
9454, 9716, 9733,	19885, 19886,	10507, 10519,
9994, 10111,	19887, 19888,	10520, 10532,
10114, 10131,	19889, 19892,	10567, 10569, 10570
10135, 10165,	19893, 19894,	\holder 20247, 20250,
10167, 10230,	19895, 19896,	20259, 20269,
10232, 10462,	19897, 19898,	20270, 20288,
10464, 10481,	19899, 19900,	20292, 20297,
10483, 11305,	19903, 19904,	20301, 20313,
11317, 11571,	19905, 19908,	20317, 20324, 20328
12130, 15474,	19909, 19910,	\href 5083, 5084, 5087,
15491, 15705,	19913, 19914,	5088, 5091, 5092
15745, 15747,	19915, 19916,	\HRTL@ompRTLfootnotetext
15773, 15786,	19917, 19920,	. 11706, 17300,
15793, 16583,	19921, 19922,	17324, 17338, 17413
16585, 16630,	19923, 19924,	\HRTL@RTLfootnotetext
16632, 16921,	19927, 19928,	. 11700, 17281,
16926, 17955,	19929, 19930,	17302, 17375,
18113, 18517,	19931, 20344,	17409, 17488,
19402, 19506,	20348, 21778,	17583, 17605, 17623
19508, 19608,	22323, 22340,	\hrule 31, 235,
19610, 19708,	22518, 23085,	565, 753, 988,
20237, 20291,	23102, 23291,	1233, 7750, 7751,
20295, 20300,	23850, 23867,	7761, 7762, 8935,
20304, 20316,	24238, 24267,	9310, 9463, 9573,
20327, 20353,	25412, 25415,	9579, 9585, 9591,
20699, 20724,	25419, 25578,	9739, 10419,
21071, 21096,	25687, 25844, 26393	10790, 11368,
21286, 21303,	\hfilneg . . 12125, 12128	11667, 11718,
21471, 21488,	\hfuzz 11136, 24140, 24142	15517, 16049,
24696, 24858,	\hintcolour 4977	16051, 16083,
24967, 25449,	\hintfont 4985, 4993,	16496, 17933,
25584, 25621,	5047, 5054, 5059	18004, 18662,
25623, 25689,	\hintscolumnwidth .	19795, 19846,
25696, 25698,	. . . 5013, 5027,	20345, 20733,
26167, 26395,	5031, 5039, 5047,	21156, 21312,
26467, 26469,	5053, 5059, 5116	21494, 21771,
26516, 26518,	\hintstyle 4993	21778, 22511,
26728, 26730,	\hline 18469, 18471, 18477	22518, 23284, 23291
26767, 26768,	\HLOFF 4602	\hrulefill 28,
26770, 26771, 26828	\HLON 4596	232, 569, 759,
\hfill . . . 1506, 1507,	\HLTR@LTRfootnotetext	993, 1239, 9316,
2193, 2214, 3290,	. 11698, 17282,	9469, 9743,
3439, 3442, 3576,	17313, 17390,	11372, 11671,
3667, 5058, 5064,	17408, 17450,	15521, 16046,
5078, 7520, 7521,	17552, 17606, 17626	17930, 18008,
7524, 7525, 8905,	\HLTR@ompLTRfootnotetext	19843, 20739,



21162, 21316, 21498	14473, 14487,	25639, 25644,
\hspace{.5cm} 41,	14497, 14503,	25648, 25652,
55, 71, 244, 258,	14673, 14703,	25656, 25660,
273, 652, 959,	14732, 14745,	25664, 25668,
1153, 1964, 2162,	14759, 14772,	25672, 25892,
2241, 2242, 2243,	14786, 14796,	25913, 25917,
2258, 2259, 2260,	14802, 15074,	26084, 26094,
2275, 2276, 2277,	15105, 15123,	26248, 26619,
2296, 2312, 2328,	15139, 15153,	26663, 26824, 26828
2497, 4426, 4871,	15169, 15205,	\hspace{.5cm} 14, 28,
7760, 7761, 7821,	15208, 15235,	209, 232, 305,
7865, 7909, 8506,	15238, 15249,	309, 559, 569,
9226, 9403, 9851,	15252, 15264,	682, 683, 722,
10111, 10114,	15267, 15278,	759, 910, 911,
10131, 10135,	15281, 15293,	924, 972, 993,
11748, 11764,	15296, 15307,	1165, 1166, 1206,
11779, 11795,	15318, 15792,	1239, 1386, 1439,
11810, 11823,	15793, 16136,	1440, 1478, 1502,
11836, 11848,	16153, 16169,	1505, 1569, 1626,
11860, 11873,	16197, 16212,	1630, 1656, 1663,
12293, 12323,	16227, 16244,	1679, 1686, 1700,
12352, 12365,	16245, 16391,	1707, 1721, 1728,
12379, 12392,	16496, 16526,	2006, 2008, 2010,
12406, 12416,	16529, 16533,	2012, 2015, 2023,
12422, 12586,	16536, 16537,	2077, 2080, 2088,
12616, 12644,	18109, 18113,	2111, 2118, 2157,
12656, 12669,	18503, 18514,	2166, 2181, 2185,
12681, 12694,	18517, 18544,	2208, 2217, 2690,
12703, 12709,	18631, 18632,	2919, 2957, 3290,
12879, 12909,	18639, 18662,	3319, 3321, 3327,
12938, 12951,	19398, 19402,	3329, 3335, 3337,
12965, 12978,	19635, 19715,	3547, 3584, 3589,
12992, 13002,	19717, 19725,	3625, 3632, 3644,
13008, 13178,	19761, 19765,	3699, 3727, 3730,
13208, 13237,	19769, 19772,	3865, 3875, 3950,
13250, 13264,	19777, 19780,	3951, 3954, 3969,
13277, 13291,	19830, 19834,	3970, 3973, 5130,
13301, 13307,	19838, 20406,	8467, 8907, 8951,
13477, 13507,	20408, 20596,	8952, 8955, 8957,
13536, 13549,	20655, 21105,	8958, 8961, 9238,
13563, 13576,	21167, 21183,	9239, 9276, 9316,
13590, 13600,	21226, 21736,	9415, 9416, 9453,
13606, 13776,	21747, 21749,	9469, 9732, 9743,
13806, 13835,	21818, 21819,	9923, 9926, 9993,
13848, 13862,	22163, 22200,	10164, 10171,
13875, 13889,	22202, 22475,	10175, 10176,
13899, 13905,	22487, 22489,	10461, 10469,
14075, 14105,	22558, 22559,	10474, 10475,
14134, 14147,	22924, 22961,	10855, 10856,
14161, 14174,	22963, 23248,	10859, 10869,
14188, 14198,	23260, 23262,	10870, 10913,
14204, 14374,	23331, 23332,	11304, 11372,
14404, 14433,	23689, 23726,	11671, 14822,
14446, 14460,	23728, 25636,	15490, 15521,



15704,	15709,	23998,	24004,	23670,	23766,
15713,	15714,	24016,	24021,	23776,	23779,
15769,	15785,	24237,	24266,	23781,	23961,
16046,	16629,	24428,	24459,	23962,	24243,
16636,	16640,	24482,	24499,	24255,	26948,
16641,	16914,	24516,	24533,	26952,	26957,
16916,	16917,	24550,	24567,	26959, 26963, 26965	
16920,	16925,	24585,	24604,	\hss	482, 541,
16928,	16930,	24624,	24659,		560, 696, 723,
16931,	17836,	24851,	24854,		925, 940, 1179,
17844,	17852,	25060,	25092,		1207, 1999, 2559,
17860,	17869,	25571,	25618,		2581, 3586, 3587,
17877,	17886,	25628,	25683,		4149, 4426, 4495,
17894,	17930,	26389,	26466,		8526, 9252, 9277,
17954,	17986,	26473,	26477,		9429, 9454, 9657,
18008,	19505,	26478,	26711,		9716, 9733, 9994,
19512,	19516,	26713, 26727, 26730			10170, 10174,
19517,	19682,	\hspace 108, 109, 228,			10229, 10235,
19694,	19706,	229, 578, 3463,			10467, 10472,
19761,	19765,	3470, 5048, 5053,			10479, 10486,
19769,	19772,	5059, 7503, 7510,			10858, 10868,
19773,	19777,	7732, 8410, 8411,			10913, 10922,
19780,	19781,	8417, 8418, 8424,			11138, 11141,
19843,	19868,	8425, 8431, 8432,			11143, 11146,
19871,	19873,	8559, 8585, 8586,			11149, 11305,
19876,	19878,	10777, 10950,			11317, 11416,
19880,	19883,	10953, 10957,			11513, 11571,
19885,	19887,	10959, 10964,			11914, 11920,
19889,	19892,	10966, 10970,			11926, 11932,
19894,	19896,	10973, 10976,			11938, 11944,
19898,	19900,	10980, 10982,			15474, 15491,
19903,	19905,	10986, 10988,			15583, 15708,
19908,	19910,	10992, 10995,			15712, 15744,
19913,	19915,	10998, 11002,			15750, 15902,
19917,	19920,	11004, 11009,			16329, 16335,
19922,	19924,	11011, 11324,			16341, 16347,
19927,	19929,	11658, 11915,			16353, 16359,
19931,	19945,	11927, 11939,			16582, 16588,
20195,	20202,	16330, 16342,			16635, 16639,
20685,	20686,	16354, 17051,			16813, 16859,
20723,	20739,	17067, 17080,			16917, 16931,
21038,	21057,	17092, 17105,			18019, 18026,
21058,	21095,	17114, 17122,			18031, 18512,
21162,	21302,	17167, 17176,			18520, 18926,
21316,	21487,	17184, 17197,			19187, 19268,
21498,	21576,	17210, 17222,			19511, 19515,
21578,	21585,	17246, 17925,			19607, 19613,
21587,	21623,	17926, 22135,			19751, 19752,
21625,	21634,	22144, 22240,			19762, 19763,
21636,	21722,	22250, 22253,			20209, 20219,
21778,	21785,	22255, 22896,			20445, 20456,
22461,	22518,	22905, 23001,			20457, 20458,
22525,	23234,	23011, 23014,			20503, 20511,
23291,	23298,	23016, 23661,			20699, 20724,



	21071, 21096,	12433, 12704,	. 19646, 19647,
	21187, 21230,	12710, 12715,	19648, 19649,
	21286, 21303,	12720, 13003,	19650, 19653, 19655
	21412, 21471,	13009, 13014,	\ht@viper
	21488, 21724,	13019, 13302,	. 10269, 10275,
	21760, 22285,	13308, 13313,	10276, 10299,
	22295, 22463,	13318, 13601,	10300, 10301,
	22500, 23047,	13607, 13612,	10312, 10466,
	23057, 23236,	13617, 13900,	10471, 10478, 10485
	23273, 23812,	13906, 13911,	\httplink 5085
	23822, 24010,	13916, 14199,	\Huge 8493,
	24858, 24967,	14205, 14210,	9576, 9588, 9768,
	25897, 25899,	14215, 14498,	9776, 11600,
	25904, 25910,	14504, 14509,	11609, 15504,
	26130, 26258,	14514, 14797,	15512, 21521, 21529
	26309, 26310,	14803, 14808,	\huge 589, 8347,
	26312, 26313,	14813, 14826,	8349, 8492, 9567,
	26315, 26316,	14895, 14948,	9762, 11335,
	26319, 26320,	15000, 15051,	11344, 11594,
	26377, 26378,	15426, 15655,	15499, 21516,
	26379, 26380,	16416, 16423,	21860, 22600, 23373
	26472, 26476,	16440, 16447,	\hv@Bottom 17146
	26515, 26521, 26715	16448, 16461,	\hv@Center . . 17050,
\ht 389, 1488,		16465, 16488,	17061, 17101,
1521, 1869, 1879,		16659, 16664,	17163, 17191, 17244
1885, 1898, 1986,		16806, 16807,	\hv@figure 17015, 17033
2070, 2072, 2074,		16809, 16852,	\hv@floatObject . . .
2076, 2096, 2105,		16853, 16855,	. . . . . 16976, 16980
2107, 2125, 2134,		16988, 18478,	\hv@floatType 17006,
2136, 2174, 2176,		18531, 18546,	17015, 17033, 17251
2178, 2180, 2186,		18561, 18563,	\hv@Height 16988
2451, 2455, 2499,		18564, 18660,	\hv@label 16957
2910, 3711, 4139,		18667, 18670,	\hv@Left . . 16991, 17059
4418, 9942, 9951,		19489, 19493,	\hv@longCap 16956
9953, 10270,		19498, 19589,	\hv@Right . 16992, 17048
10277, 10285,		19593, 19598,	\hv@shortCap
10299, 10310,		19649, 19651,	16955, 17021, 17039
10327, 10329,		19849, 20259,	\hv@Top 17074, 17110,
10332, 10334,		20317, 20328,	17130, 17172, 17204
10348, 10361,		20333, 20334,	\hv@Width . 16986, 17009
10365, 10368,		20335, 20336,	\hv@Zero . . 16975, 17238
10369, 10372,		20340, 20355,	\hvAboveCaptionSkip
10378, 10396,		20472, 20495,	. . . . . 17154, 17157
10397, 10410,		21562, 21604,	\hvBelowCaptionSkip
10440, 10532,		21607, 21662,	. . . . . 17138, 17141
10567, 10798,		21669, 24038,	\hvCaptionBox 17010,
10807, 10819,		24074, 24086,	17027, 17069,
10828, 10836,		24201, 25932,	17071, 17082,
10846, 10848,		25934, 26348,	17084, 17094,
10864, 10893,		26691, 26701, 26705	17096, 17102,
10903, 10905,	\ht@hold@viper 10308,		17103, 17111,
10918, 11289,	10310, 10532,		17112, 17119,
12132, 12417,	10533, 10567, 10568		17120, 17131,
12423, 12428,	\ht@strip		17132, 17138,



17141, 17147,	17105, 17114,	\Hy@LT@RTLfootnotetext
17148, 17155,	17122, 17167,	.... 17478, 17487
17158, 17164,	17176, 17184,	\Hy@MakeRemoteAction
17165, 17173,	17197, 17210, 17222	..... 17663
17174, 17181,	\hvSet@floatPos . 17004	\Hy@maketitle@end .
17182, 17199,	\hvSet@objectAngle	17609, 17614, 17616
17201, 17212,	.... 16975, 16979	\Hy@maketitle@optarg
17214, 17224, 17226	\hvSet@objectPos ..	.... 17607, 17612
\hvCapWidth . 16984,	17048, 17050, 17244	\Hy@pstringD
16986, 16988,	\hvSet@rotAngle ...	.... 17662, 17681
16990, 16994,	16969, 17238, 17241	\Hy@pstringdef
16996, 17011, 17029	\Hy@Acrobatmenu . 17755	. 17661, 17662,
\hvFloat 16958	\Hy@backout 17782	17696, 17697, 17728
\hvMaxCapWidth 16969,	\Hy@BeginAnnot	\Hy@pstringF
16970, 16991,	. 17638, 17658,	. 17659, 17660,
16992, 16993, 16996	17695, 17727, 17756	17661, 17676,
\hvObjectBox	\Hy@bidipoem@footnotetext	17696, 17709, 17714
. 16973, 16976,	.... 17511, 17520	\Hy@pstringP
16978, 16982,	\Hy@bidipoem@LTRfootnotetext	.... 17697, 17714
16988, 17063,	.... 17542, 17551	\Hy@pstringURI
17065, 17076,	\Hy@bidipoem@RTLfootnotetext	.... 17728, 17741
17078, 17088,	.... 17573, 17582	\Hy@raisedlink 17331,
17090, 17106,	\Hy@CleanupFile . 17660	17342, 17353,
17107, 17115,	\Hy@colorlink 17688,	17364, 17379,
17116, 17123,	17720, 17749, 17775	17394, 17454,
17124, 17131,	\Hy@endAnnot	17492, 17525,
17134, 17139,	. 17645, 17691,	17556, 17587, 17824
17142, 17147,	17723, 17752, 17778	\Hy@saved@footnotemark
17150, 17154,	\Hy@endcolorlink 17647	.... 17599, 17618
17157, 17168,	\Hy@footnote@currentHlabel	\Hy@saved@footnotetext
17169, 17177,	17367, 17382, 17397	.... 17600, 17621
17178, 17185,	\Hy@footnote@currentHref	\Hy@SetNewWindow ..
17186, 17193,	..... 17329,	.... 17683, 17711
17195, 17206,	17332, 17340,	\Hy@setpdfborder ..
17208, 17218, 17220	17343, 17351,	..... 17669,
\hvObjectWidth	17354, 17362,	17703, 17734, 17763
. 16982, 16986,	17365, 17368,	\Hy@tabularx@hook .
16990, 16991, 16992	17377, 17380,	.... 17406, 17418
\hvOBox ... 16976, 16980	17383, 17392,	\Hy@temp@menu
\hvSet@capAngle ...	17395, 17398,	.... 17757, 17770
.... 17009, 17028	17441, 17479,	\Hy@xspace@end
\hvSet@capPos	17512, 17543, 17574	. 17654, 17690,
. 16991, 16992,	\Hy@gtemp . 17417, 17422	17722, 17751, 17777
17059, 17130, 17146	\Hy@href@nextactionraw	\HyLTR@saved@LTRfootnotetext
\hvSet@capVPos 17061,	..... 17684,	.... 17602, 17627
17074, 17101,	17716, 17745, 17771	\HyOrg@maketitle ..
17110, 17163,	\Hy@href@page ... 17679	17597, 17608, 17613
17172, 17191, 17204	\Hy@linkcounter ...	\HyOrg@TX@endtabularx
\hvSet@capWidth ...	.... 11189, 11194	..... 17405
..... 16986,	\Hy@linktoc 17260	\hyper@@anchor 17329,
16988, 16993, 16994	\Hy@LT@currentHref	17332, 17340,
\hvSet@floatCapSep	.... 17812, 17823	17343, 17351,
..... 17067,	\Hy@LT@LTRfootnotetext	17354, 17362,
17080, 17092,	.... 17440, 17449	17365, 17377,



17380, 17392,	I	23600, 23615, 23631
17395, 17452,	\i 6670, 6671,	\if@bibchapter .. 24352
17455, 17490,	6683, 6695, 6696	\if@bidi@amsmathloaded@
17493, 17523,	\ialign 24043,	..... 18242
17526, 17554,	24081, 26167, 26353	\if@bidi@amstextloaded@
17557, 17585, 17588	\if 361, 362, 363, 365,	..... 18245
\hyper@anchorend 17825	366, 367, 368,	\if@bidi@amsthmloaded@
\hyper@anchorstart	369, 372, 373,	..... 18248
..... 17825	374, 409, 417,	\if@bidi@animateloaded@
\hyper@link 17653	1414, 1415, 1416,	..... 18251
\hyper@linkend	1418, 1419, 1420,	\if@bidi@arabxetexloaded@
. 17264, 17268,	1421, 1422, 1423,	..... 18447
17272, 17274,	1424, 1427, 1428,	\if@bidi@arrayloaded@
17654, 17787, 17790	1429, 1452, 1453,	..... 18381
\hyper@linkfile . 17656	1454, 1456, 1457,	\if@bidi@arydshlnloaded@
\hyper@linkstart ..	1458, 1459, 1460,	..... 18405
. 17264, 17268,	4830, 4836, 4839,	\if@bidi@blank
17272, 17274,	4842, 4845, 6366,	.. 5464, 5974, 5981
17654, 17783, 17790	6421, 6425, 6431,	\if@bidi@breqnloaded@
\hyper@linkurl .. 17725	6435, 6476, 6559,	..... 18254
\hyper@makecurrent	6942, 9812, 9831,	\if@bidi@calsloaded@
..... 17811	9864, 9865, 9866,	..... 18257
\hyper@nat@current	15978, 16002,	\if@bidi@captionloaded@
..... 17784	16239, 18460,	..... 18260
\hyper@natlinkbreak	18462, 18464,	\if@bidi@colorloaded@
..... 17789	20127, 24050,	..... 18266
\hyper@natlinkend 17786	24084, 24089,	\if@bidi@colortblloaded@
\hyper@natlinkstart	24176, 24177,	..... 18285
..... 17781	24178, 24179,	\if@bidi@croplloaded@
\hyper@pageduration	24180, 24181,	..... 18263
..... 2069, 2173	24182, 24184,	\if@bidi@csdef
\hyper@pagetransition	24185, 24186,	... 4324, 5428,
..... 2069, 2173	24187, 24188,	5477, 18593,
\hyperlink 2434	24191, 24192,	19793, 25465, 25471
\hyperref 16329, 16333,	24193, 26253,	\if@bidi@csmacro . 5476
16335, 16341,	26254, 26345,	\if@bidi@csprimitive
16345, 16347,	26362, 26369,	..... 5486
16353, 16357, 16359	26370, 26371,	\if@bidi@csundef ..
\hypersetup .. 2433,	26372, 26373, 26374	..... 5137,
4931, 4939,	\if@allcaps 780, 789,	5140, 5143, 5147,
8603, 8662, 8679	797, 1032, 1041,	5152, 5434, 5513,
\hypertarget . 2463,	1049, 1282, 1291,	5549, 5574, 5603,
22129, 22890, 23655	1299, 9346, 9355,	5628, 5660, 5666,
\hyphenpenalty 6, 105,	9363, 9523, 9532,	5694, 5700, 5709,
201, 225, 651,	9540, 20789,	5726, 6251, 7147,
958, 1152, 9225,	20798, 20806,	7199, 11679,
9402, 17922,	20928, 20937, 20945	11680, 11693,
17946, 20654,	\if@altsecnumformat	11694, 12046,
21104, 21166, 21309	22039, 22778, 23551	15449, 19853,
\HyRTL@saved@RTLfootnotetext	\if@bib@break@ 22049,	26132, 26139, 26845
..... 17601, 17624	22074, 22089,	\if@bidi@cutedloaded@
	22105, 22810,	..... 18273
	22835, 22850,	\if@bidi@cutwinloaded@
	22866, 23575,	..... 18270



\if@bidi@dblfnoteloaded@	26273, 26282,	\if@bidi@soulloaded@
..... 18276	26291, 26304,	..... 18387
\if@bidi@def 5446	26305, 26317, 26318	\if@bidi@stabularloaded@
\if@bidi@defmacro .	\if@bidi@list@minipage@parbox@not@nob. 18384	..... 18384
..... 5469,	..... 4084,	\if@bidi@subfigloaded@
5470, 5478,	26212, 26266,	..... 18390
5873, 5892, 6039	26275, 26284, 26293	\if@bidi@subfigureloaded@
\if@bidi@defparam .	\if@bidi@listingsloaded@	..... 18393
..... 5894,	..... 18354	\if@bidi@supertabularloaded@
5988, 5989, 6041	\if@bidi@longtableloaded@	..... 18396
\if@bidi@defprimitive	..... 18402	\if@bidi@tablsloaded@
..... 5480	\if@bidi@mdf@RTL ..	..... 18429
\if@bidi@defprotected	.... 18622, 18629	\if@bidi@tabularyloaded@
..... 5901,	\if@bidi@mdframedloaded@	..... 18432
5997, 5998, 6052	..... 18321	\if@bidi@tikzloaded@
\if@bidi@diagboxloaded@	\if@bidi@midfloatloaded@	..... 18372
..... 18279	..... 18324	\if@bidi@titlesecloaded@
\if@bidi@draftwatermarkloaded@	\if@bidi@minitocloaded@	..... 18375
..... 18339	..... 18414	\if@bidi@titletocloaded@
\if@bidi@empheqlloaded@	\if@bidi@multicolloaded@	..... 18378
..... 18342	..... 18408	\if@bidi@tocbasicloaded@
\if@bidi@fancyboxloaded@	\if@bidi@multienumloaded@	..... 18435
..... 18333	..... 18411	\if@bidi@tocbibindloaded@
\if@bidi@fancyhdrloaded@	\if@bidi@natbibloaded@	..... 18441
..... 18336	..... 18417	\if@bidi@tocstyleloaded@
\if@bidi@fancyvrbloaded@	\if@bidi@newfloatloaded@	..... 18438
..... 18453	..... 18420	\if@bidi@todonotes@fig@position@right
\if@bidi@finalfootnoteperpage@	\if@bidi@ontheoremloaded@	. 25725, 25823,
.... 12044, 12067	..... 18327	25828, 25835, 25841
\if@bidi@floatloaded@	\if@bidi@overpicloaded@	\if@bidi@todonotes@text@direction@RTL
..... 18288	..... 18345	..... 25724,
\if@bidi@floatrowloaded@	\if@bidi@patchable	25758, 25798, 25832
..... 18291	..... 5861, 5862	\if@bidi@undef 5452,
\if@bidi@flowframloaded@	\if@bidi@pdfencrypt	5517, 5770, 5781,
..... 18294	..... 4073, 4307	5800, 5804, 5808,
\if@bidi@fontspecloaded@	\if@bidi@pdfm@mark	5812, 5822, 5826,
..... 18444	..... 4076,	5830, 5834,
\if@bidi@framedloaded@	4319, 4377, 4441	5870, 5889, 6036
..... 18297	\if@bidi@pdfpagesloaded@	\if@bidi@wrapfigloaded@
\if@bidi@ftnrightloaded@	..... 18348	..... 18309
..... 18300	\if@bidi@perpage@footnote	\if@bidi@xcolorloaded@
\if@bidi@geometryloaded@	..... 4068, 4294	..... 18282
..... 18315	\if@bidi@pgfloaded@	\if@bidi@xltxtraloaded@
\if@bidi@graphicxloaded@	..... 18363	..... 18303
..... 18312	\if@bidi@picinparloaded@	\if@bidi@xtabloaded@
\if@bidi@hvfloatloaded@	..... 18366	..... 18399
..... 18318	\if@bidi@polyglossialloaded@	\if@bidi@xunicodeloaded@
\if@bidi@hyperrefloaded@	..... 18450	..... 18306
..... 18330	\if@bidi@pstricksloaded@	\if@capbreak
\if@bidi@linenoloaded@	..... 18360	22243, 23004, 23769
..... 18351	\if@bidi@quotchaploaded@	\if@captionabove ..
\if@bidi@list@minipage@parbox	..... 18369	..... 22178,
..... 4083,	\if@bidi@rotatingloaded@	22184, 22278,
26204, 26264,	..... 18426	22289, 22939,



22945, 23040, 23051, 23704, 23710, 23805, 23816	\if@firstcolumn 10142, 10205, 10266, 10538, 10557, 15685, 15721, 16552, 16601, 16689, 19437, 19537, 19643, 26444, 26491, 26681	\if@nobreak .. 7143, 16513, 18633, 20589
\if@cftdopart ... 24410	\if@firstdetailselement 10750, 10752	\if@nonlatin 336, 348, 4067, 4292, 5410, 5416, 9847, 9849, 18617
\if@cfthaschapter 24401, 24405, 24411, 24432, 24444, 24466	\if@firstfooterelement 10654, 10657	\if@noparlist 9169
\if@cfthaspart .. 24397	\if@hboxRconstruct 4072, 4380, 5398, 5404, 16238, 26211, 26235, 26266, 26275, 26284, 26293, 26304, 26305, 26317, 26318	\if@noskipsec . 9810, 16514, 18634, 20590
\if@chapterentrywithdots 23099, 23864	\if@ignore .. 6218, 6220	\if@oldtoc 686, 712, 914, 930, 1169, 1196, 9242, 9266, 9419, 9443, 20689, 20713, 21061, 21085
\if@colour 4914	\if@inlabel 9811	\if@openright 8838, 9780, 11613
\if@colourgreen 10585, 10614, 10683, 10709	\if@inltxdoc ... 24345	\if@ovb 15663
\if@colourgrey 10589, 10628, 10687, 10721	\if@insert 10565	\if@ovl 15661
\if@colourorange 10583, 10607, 10681, 10703	\if@komalongtable . 22275, 23037, 23802	\if@ovr 15660
\if@colourred 10587, 10621, 10685, 10715	\if@left@column@shrink 10428	\if@ovt 15662
\if@compatibility . . 543, 698, 774, 942, 1026, 1181, 1276, 9340, 9517, 20783, 20922, 24436, 24971, 26333	\if@left@column@spread 10345, 10422	\if@pbboxsw 26260
\if@contcw 19354, 19383	\if@LTRbibitems 87, 290, 600, 735, 998, 1248, 2610, 4079, 5111, 9292, 9480, 9789, 11351, 11622, 15526, 17903, 19432, 19939, 20744, 21138, 21332, 21535, 22065, 22826, 23591, 24321	\if@restonecol . 632, 648, 897, 1149, 9222, 9399, 9609, 20651, 20906, 21365, 24392
\if@conthang ... 19364	\if@LTRmarginpar 4078, 26710, 26715, 26719	\if@reversemargin 26686
\if@contindent .. 19370	\if@mainmatter 8810, 9566, 9761, 11593, 20528, 22781, 22803	\if@right@column@shrink 10346, 10375, 10450
\if@DEBUG 4885	\if@minipage 7555, 19423	\if@right@column@spread 10444
\if@displaypagenumbers 5093, 5096	\if@mparswitch .. 26683	\if@rjfield 26725
\if@donumindex 24353, 24372	\if@newlist . 15857, 15889, 26739, 26814	\if@rl 4066
\if@dotocbib ... 24314		\if@rl@footnote .. 4082
\if@dotocind 24360, 24377		\if@rlmain 4065
\if@extrafootnotefeatures 4081, 4279		\if@rot@twoside 21566, 21571, 21581, 21611, 21617, 21629
\if@fcolmade 10191, 10250, 15717, 15757, 15841, 16595, 16648, 16677, 19525, 19622, 26485, 26528		\if@RTL 12, 13, 25, 87, 104, 107, 108, 109, 173, 180, 189, 207, 208, 224, 227, 228, 229, 290, 305, 309, 538, 555, 558, 559, 582, 595, 600, 652, 665, 676, 677, 682, 693, 718, 721, 722, 735, 903, 904, 910, 920,
\if@ff@nwpg 15809		
\if@files 5164, 5539, 5545, 5564, 5570, 5593, 5599, 5618, 5624, 5650, 5656, 5684, 5690, 12027		



923,	924,	937,	11257,	11280,	20061,	20075,
959,	998,	1153,	11300,	11303,	20107,	20237,
1159,	1160,	1165,	11304,	11314,	20287,	20362,
1176,	1202,	1205,	11328,	11341,	20416,	20417,
1206,	1224,	1248,	11351,	11568,	20420,	20424,
1387,	1388,	1499,	11591,	11606,	20456,	20457,
1500,	1513,	1524,	11622,	11643,	20458,	20506,
1539,	1623,	1629,	11646,	11651,	20512,	20523,
1653,	1662,	1676,	11659,	15471,	20525,	20531,
1685,	1697,	1706,	15486,	15489,	20542,	20544,
1718,	1727,	1945,	15490,	15497,	20555,	20557,
2454,	2504,	2610,	15509,	15526,	20568,	20570,
2706,	2729,	2749,	15793,	15950,	20579,	20581,
2767,	2775,	2794,	16239,	16386,	20598,	20618,
2916,	2955,	3001,	16388,	16785,	20634,	20635,
3184,	3191,	3198,	16787,	16790,	20655,	20668,
3293,	3310,	3316,	16791,	16792,	20679,	20680,
3319,	3322,	3325,	16798,	16800,	20685,	20696,
3327,	3330,	3333,	16817,	16820,	20719,	20722,
3335,	3338,	3458,	16827,	16836,	20723,	20744,
3465,	3510,	3515,	16842,	16846,	21039,	21040,
3601,	3656,	3662,	16849,	16863,	21051,	21052,
3772,	3794,	3848,	16888,	16895,	21057,	21068,
3857,	3867,	3889,	17060,	17162,	21091,	21094,
3930,	3939,	3958,	17264,	17272,	21095,	21105,
4066,	4099,	4379,	17654,	17690,	21118,	21138,
4386,	5111,	5374,	17722,	17751,	21167,	21283,
5380,	5538,	5563,	17777,	17783,	21298,	21301,
5592,	5617,	5649,	17787,	17790,	21302,	21307,
5683,	8466,	8467,	17835,	17843,	21308,	21332,
8584,	8585,	8586,	17851,	17859,	21468,	21483,
9226,	9232,	9233,	17867,	17876,	21486,	21487,
9238,	9249,	9272,	17884,	17893,	21514,	21526,
9275,	9276,	9292,	17903,	17921,	21535,	21646,
9403,	9409,	9410,	17924,	17925,	21648,	21652,
9415,	9426,	9449,	17926,	17941,	21656,	21658,
9452,	9453,	9480,	17952,	17953,	21663,	21667,
9564,	9575,	9577,	17987,	17991,	21670,	21674,
9713,	9728,	9731,	17994,	17999,	21676,	21680,
9732,	9759,	9773,	18018,	18028,	21705,	21713,
9789,	9808,	9820,	18513,	18585,	21738,	21751,
9833,	9908,	9949,	18599,	18606,	22037,	22038,
9950,	9954,	9955,	18625,	18708,	22065,	22113,
9957,	9964,	9970,	18716,	18907,	22114,	22115,
9989,	9992,	9993,	19233,	19313,	22117,	22165,
9999,	10004,		19314,	19315,	22169,	22444,
10111,	10114,		19316,	19317,	22452,	22477,
10131,	10135,		19318,	19397,	22491,	22777,
10956,	10963,		19399,	19432,	22826,	22874,
10979,	10985,		19677,	19681,	22875,	22876,
11001,	11008,		19682,	19689,	22878,	22926,
11137,	11217,		19694,	19701,	22930,	23217,
11232,	11254,		19706,	19939,	23225,	23250,
11255,	11256,		20026,	20046,	23264,	23550,



23591,	23639,	26306,	26307,	13521,	13528,
23640,	23641,	26309,	26312,	13533,	13670,
23643,	23691,	26315,	26317,	13675,	13687,
23695,	23960,	26318,	26319,	13693,	13700,
23963,	23993,	26320,	26322,	13705,	13715,
24013,	24211,	26324,	26325,	13791,	13798,
24256,	24273,	26330,	26377,	13803,	13814,
24293,	24296,	26378,	26384,	13820,	13827,
24301,	24305,	26389,	26710,	13832,	13969,
24306,	24321,	26715,	26719,	13974,	13986,
24395,	24418,	26727,	26728,	13992,	13999,
24419,	24420,	26729,	26730,	14004,	14014,
24428,	24449,	26825,	26828,	14090,	14097,
24450,	24451,	26836,	26846,	14102,	14113,
24459,	24472,	26947, 26957, 26963		14119,	14126,
24473,	24474,			14131,	14268,
24482,	24489,	\if@RTL@footnote 36,		14273,	14285,
24490,	24491,	239, 2240, 2290,		14291,	14298,
24499,	24506,	2293, 4082, 4382,		14303,	14313,
24507,	24508,	7834, 11743,		14389,	14396,
24516,	24523,	11759, 11820,		14401,	14412,
24524,	24525,	11833, 12187,		14418,	14425,
24533,	24540,	12192, 12204,		14430,	14567,
24541,	24542,	12210, 12217,		14572,	14584,
24550,	24557,	12222, 12232,		14590,	14597,
24558,	24559,	12308, 12315,		14602,	14612,
24567,	24575,	12320, 12331,		14688,	14695,
24576,	24577,	12337, 12344,		14700,	14711,
24585,	24594,	12349, 12486,		14717,	14724,
24595,	24596,	12491, 12502,		14729,	14962,
24604,	24614,	12508, 12515,		14976,	15013,
24615,	24616,	12520, 12529,		15027,	15062,
24624,	24649,	12601, 12608,		15081,	15087,
24650,	24651,	12613, 12623,		15094,	15110,
24659,	24699,	12629, 12636,		15190,	15197,
24700,	24701,	12641, 12773,		15214,	15220,
25498,	25560,	12778, 12790,		15227,	16130,
25561,	25562,	12796, 12803,		16179, 16221, 16224	
25568,	25571,	12808, 12818,		\if@RTLbibitems ...	
25618,	25678,	12894, 12901,		... 87, 290,	
25683,	25706,	12906, 12917,		600, 735, 998,	
25713,	25773,	12923, 12930,		1248, 2610, 4080,	
25776,	25860,	12935, 13072,		5111, 9292, 9480,	
25895,	25903,	13077, 13089,		9789, 11351,	
25930,	25931,	13095, 13102,		11622, 15526,	
25934,	25935,	13107, 13117,		17903, 19432,	
25937,	25974,	13193, 13200,		19939, 20744,	
25978,	26031,	13205, 13216,		21138, 21332,	
26036,	26082,	13222, 13229,		21535, 22065,	
26083,	26110,	13234, 13371,		22826, 23591, 24321	
26111,	26114,	13376, 13388,		\if@RTLmain .. 1531,	
26118,	26205,	13394, 13401,		2034, 2042, 2051,	
26213,	26219,	13406, 13416,		2059, 2081, 2098,	
26225,	26238,	13492, 13499,		2112, 2127, 3172,	
		13504, 13515,			



3264, 3266, 3269, 3379, 3390, 3403, 3410, 3488, 3581, 3588, 3680, 3984, 4065, 4098, 4117, 4378, 4385, 4404, 10007, 10030, 10053, 10076, 10460, 10944, 11069, 11072, 11078, 11086, 11096, 11106, 11112, 11126, 15955, 16913, 16923, 16940, 16946, 18036, 18048, 18055, 19634, 19791, 26534, 26755, 26761, 26790, 26806	10852, 10909, 11979, 21888, 22628, 23401, 25153 \if@thmmarks 20009, 20013, 20030, 20034 \if@titlecentered 1369, 21019 \if@titlepage .. 436, 653, 761, 960, 1013, 1212, 1263, 9611, 11374, 11467, 15541, 20656, 20770, 20907, 21106, 21169, 21366, 21789, 22529, 23302 \if@titlepageiscoverpage 21794, 22534, 23307 \if@tocstyle@penalties 25481, 25590 \if@todonotes@authorgiven 25749, 25760, 25785, 25802 \if@todonotes@disabled 25743, 25744 \if@todonotes@dviStyle 25746, 25780 \if@ttb@rotate .. 15949 \if@twocolumn ... 98, 218, 483, 619, 635, 662, 669, 837, 884, 969, 980, 1089, 1136, 1221, 1228, 1339, 4118, 4124, 8764, 9209, 9386, 9596, 9658, 11417, 11514, 15584, 16691, 17915, 19296, 20638, 20665, 20672, 20846, 20893, 20987, 21115, 21122, 21231, 21352, 21413, 21955, 22695, 23468, 24347, 26406, 26680, 26839 \if@twoside 8755, 11104, 15816, 21836, 21880, 21958, 21972, 22576, 22620, 22698,	22712, 23349, 23393, 23471, 23485, 25886, 26753 \if@vihproof 19662, 19668 \ifadl@inactive .. 1401 \ifadl@usingarypkg 1404 \ifAM@output ... 20153 \ifAM@survey ... 20131 \IfArgIsEmpty 21721, 22460, 23233 \ifartopt 19333 \ifbeamer@centered 2219 \ifbeamer@colbox@ignorebg 1952, 1955 \ifbeamer@colbox@rounded 1988 \ifbeamer@compress 2648 \ifbeamer@dogeometry 2030 \ifbeamer@onlytextwidth 2201 \ifbeamer@plainframe 2475, 2492, 2503, 3544 \ifbeamer@sb@subsection .. 3752, 3763, 3771 \ifbeamer@theme@subsection 3512 \ifbeamer@tree@showhooks 3947, 3966 \ifbeamercoloreempty 1951, 2862, 2864, 2867, 2877, 2879, 2882, 2892, 2894, 2897, 3183, 3190, 3218, 3220, 3284, 3341 \ifbidi@autofootnoterule ... 2290, 2306, 2322, 15956, 16191, 16206, 16221 \ifbidi@in@label 6430, 6432 \IfbidiPackageVersion 4052 \IfbidiPackageVersionBefore 4046 \IfbidiPackageVersionLater 4040 \ifblank 2568, 3433 \ifblendcolors 25942, 25963, 25985, 26012 \ifbool ... 18647, 18656
\if@RTLmarginpar 4077, 26710, 26715, 26719 \if@RTLtab 362, 363, 380, 383, 417, 425, 1395, 1396, 1415, 1416, 1453, 1454, 4071, 4749, 4753, 4754, 5386, 5392, 9868, 9870, 9891, 9898, 9920, 9921, 9934, 9945, 18461, 18463, 18574, 18577, 24028, 24032, 24033, 24050, 24058, 24064, 24089, 24177, 24178, 26164, 26337, 26341, 26342, 26362, 26370, 26371 \if@sectionentrywithdots 22337 \if@sentedir 4381 \if@specialpage 15812, 26750 \if@star 20492 \if@tab@rl 4071 \if@tablecaptionabove 22307, 23069, 23834 \if@tempswa .. 1970, 1980, 1989, 2004, 6985, 7030,		



<code>\ifcase</code>	1436,	9003, 9005, 9011,	22910, 22993,
	1463, 1467, 1471,	9051, 9063, 9145,	23675, 23758,
	1475, 1501, 4168,	9147, 9160, 9162,	24075, 25009,
	4174, 4180, 4186,	9170, 9841,	25054, 25069,
	4192, 4198, 4210,	10285, 10300,	25074, 25516,
	4216, 4222, 4229,	10344, 10347,	25541, 25607,
	4243, 4250, 4260,	10376, 10384,	25863, 25865,
	9922, 17260,	10385, 10391,	25867, 25869,
	18526, 24287,	10414, 10421,	25870, 25871,
	24669, 25550,	10427, 10443,	25873, 25913,
	25620, 25730,	10449, 10518,	25920, 26692, 26824
	25738, 25962,	10534, 10547,	<code>\ifdofullc@p</code>
	26011, 26421, 26422	10550, 10552,	22219, 22980, 23745
<code>\ifcat</code>	4109,	10799, 10820,	<code>\iffalse</code>
	4396, 6316, 6317	10840, 10849,	5295, 5296, 5298, 5311,
<code>\ifconvertcolorsU</code> .		10876, 10880,	5312, 5313,
	. . . . .	10897, 10906,	16513, 16514,
	25948,	10928, 10932,	18160, 18633,
	25964, 25991, 26013	11912, 11917,	18634, 20589, 20590
<code>\ifcoddpage</code>	7332	11924, 11929,	<code>\IfFileExists</code> . 6714,
<code>\ifcsname</code>	5429,	11936, 11941,	7312, 8784, 8849
	5435, 5787, 6179,	14896, 14949,	<code>\iffootdir@debug</code> . .
	6193, 6207, 6217,	15001, 15052,	. . . . .
	6239, 6759, 6774,	15649, 15651,	15964, 15968
	6988, 6996,	15792, 16327,	<code>\ifFootnoteBackref@numberlinked</code>
	19963, 19973,	16332, 16339,	. . . . .
	19987, 25505,	16344, 16351,	16325
	25506, 25515,	16356, 16398,	<code>\ifGin@grid</code> 20062, 20075
	25526, 25530,	16406, 16422,	<code>\ifGin@iso</code>
	25540, 25552,	16423, 16453,	16902
	25606, 25634,	16461, 16474,	<code>\ifhbox</code> . . . 14838, 14842
	25635, 25643,	16489, 16522,	<code>\ifhmode</code>
	25647, 25651,	16523, 16805,	2630,
	25655, 25659,	16812, 16851,	4814, 7793, 7837,
	25663, 25667, 25671	16858, 16903,	7881, 8124, 8130,
<code>\ifdefined</code> . .	5447, 5453	16993, 17131,	9955, 9957, 9964,
<code>\ifdefining</code>	6436	17147, 18109,	9970, 9989,
<code>\ifdfn@allowcbreak</code>		18514, 18561,	24249, 25935,
	. . . . .	18564, 19303,	25937, 25974,
	10805, 10826	19346, 19353,	25978, 26031,
<code>\ifdfn@ruleboth</code> . .		19357, 19359,	26317, 26318,
	. . . . .	19398, 19459,	26361, 26591, 26635
	10863, 10917	19467, 19469,	<code>\ifhv@fbox</code> . . 17062,
<code>\ifdfn@trysingle</code> . .		19559, 19567,	17068, 17075,
	19569, 19644,	17081, 17087,
	10844, 10901	19655, 19739,	17093, 17102,
<code>\ifdim</code>	1489,	19747, 19753,	17106, 17111,
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9144, 9151, 9165		25317,	25319,	\iftocstyle@indentnotnumbered
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\ifr@ggedbottom . 20434		25336,	25337,	7740, 7753, 7766
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.... 21616, 21628		25344,	25364,	\ifTX@ 24110
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..... 5397		25399,	25411,	\ifvmode . 5535, 5589,
\ifRtoLtable 5385		25414,	25418,	5646, 7143, 7529,
\ifshowgrid 20462		25428, 25432, 25437		7532, 7535, 7538,
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16503,	16658,	11661,	15695,	21977,	21986,
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	136, 151, 155,	17074,	17101,	22727,	22731,
	159, 166, 822,	17110,	17130,	22732,	22740,
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\iii 6677	26897, 26898,	\insert 35,
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\includegraphics ..	26905, 26906,	10815, 10831,
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\includemedia	26911, 26912,	11742, 11758,
18882, 19212, 19213	26913, 26914,	11773, 11789,
\includepdf 20114	26915, 26916,	11804, 12002,
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\index 6555,	26919, 26920,	12265, 12485,
6556, 15870, 26778	26921, 26922,	12535, 12560,
\indexname 626, 627,	26923, 26924,	12772, 12824,
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891, 892, 1143,	26927, 26928,	13123, 13150,
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13721, 13748,	\insertframetitle .	\inserttocsection .
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14047, 14267,	3704, 3800, 3895	1594, 1634,
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14566, 14618,	\insertinstitute ..	\inserttocsectionnumber
14645, 15061,	.. 3017, 3072, 3075 1569,
15116, 15146,	\insertinstituteindicator	1591, 1628, 1772
15430, 15438, 3074	\inserttocsubsection
16129, 16146,	\insertlogo 3587 1559,
16162, 16682, 16684	\insertnavigation .	1569, 1597, 1639,
\insert@column 1438, 3510, 3769	1748, 1783, 2787
1439, 1440, 1441,	\insertnote 3348	\inserttocsubsectionnumber
1443, 1444, 1504,	\insertpenalties 1569
1506, 1507, 1509, 16093, 16712	\inserttocsubsubsection
1510, 1511, 9925,	\insertreturnsymbol 1563,
9927, 9928, 2748	1574, 1602, 1646,
9930, 9931, 9932	\insertsection	1754, 1790, 2791
\insertauthor 3314, 3321	\inserttotalframenumbers
.. 3011, 3066, 3069	\insertsectionhead 3168,
\insertauthorindicator	... 3153, 3463,	3367, 3373, 3376,
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..... 1803,	.. 3433, 3636, 3660	\insertverticalnavigation
1812, 1821, 2859,	\insertshortdate . 3441 3639
2874, 2889, 3090,	\insertshortframetitle	\inserttvrule
3102, 3114, 3214 3331, 3337	.. 2023, 3285, 3343
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\insertcaption 3433	18984, 18988,
..... 1838, 2846	\insertshorttitle .	19066, 19154,
\insertcaptionname 3313,	19157, 19158,
..... 1836, 2843	3436, 3628,	19169, 19207,
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..... 1660, 1725 1683	\interlinepenalty .
\insertfootnotemark	\insertsubsection 39, 53, 69,
... 2230, 2235, 3323, 3329	242, 256, 271,
2817, 2824, 2831,	\insertsubsectionhead	583, 650, 675,
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\insertframenumbers	\insertsubtitle ...	10522, 11329,
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3376, 3382, 3386,	\inserttitle	11608, 11970,
3404, 3406, 3483	.. 2989, 3062, 3133	15503, 15511,
\insertframesubtitle	\inserttitlegraphic	16133, 16150,
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3705, 3706, 3801,	\inserttitleindicator	19691, 19703,
3804, 3896, 3899 3061	20531, 20653,
		20678, 21050,



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24476,	24493,	\itemxxxxx	19891	8259, 8287, 8288,
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24579,	24598,	8353, 8360, 8367,		9338, 9461, 9462,
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\intertextsep	25921, 25923			10789, 10790,
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20012, 20031, 20033		\jua@ht	19475,	11281, 11285,
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23962, 23964,		19529, 19556,		15660, 15661,
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10670, 10671,		\JustifyingParindent		16435, 16813,
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10768, 10769,				17933, 18003,
10770, 10771,		K		18005, 18007,
10772, 10775, 10779		\keepthetitle	19279	18009, 18617,
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631, 646, 895,		29, 30, 31, 231,		19795, 19842,
978, 1147, 8543,		233, 234, 235,		19844, 19845,
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15767, 15782,		752, 754, 757,		20475, 20491,
17919, 20649,		758, 760, 772,		20731, 20732,
20904, 21364, 24391		987, 989, 992,		20734, 20737,
\itemindent	8538,	994, 1024, 1231,		20738, 20740,
8539, 8547, 26193		1232, 1234, 1237,		20781, 20920,
\itemize	2567	1238, 1240, 1274,		21154, 21155,
\itemsep	2616, 7274,	1502, 1507, 1592,		21157, 21160,
8484, 8523, 8537		1633, 1639, 1646,		21161, 21163,
\itemx	19867	1743, 1748, 1754,		21311, 21313,
\itemxxox	19902	1774, 1782, 1789,		21315, 21317,
\itemxxx	19912	2668, 2917, 2959,		21493, 21495,
\itemxx	19870	4628, 4629, 4630,		21497, 21499,
\itemxxo	19907	4631, 4632, 4633,		21768, 21772,
		4634, 4635, 4639,		



21775,	21778,	11241,	11250,	19002,	19003,
21779,	22173,	11253,	11261,	19005,	19006,
22175,	22269,	18707,	18709,	19007,	19008,
22271,	22508,	18715,	18717,	19010,	19011,
22512,	22515,	18723,	18724,	19012,	19014,
22518,	22519,	18725,	18726,	19015,	19016,
22934,	22936,	18727,	18728,	19019,	19020,
23030,	23032,	18729,	18730,	19021,	19024,
23281,	23285,	18731,	18732,	19057,	19059,
23288,	23291,	18733,	18735,	19062,	19087,
23292,	23699,	18736,	18738,	19089,	19121,
23701,	23795,	18739,	18740,	19125,	19137,
23797,	23997,	18747,	18748,	19138,	19184,
24003,	24260,	18749,	18751,	19194,	19200,
25896,	25900,	18753,	18756,	19212,	19213,
25906,	25909,	18757,	18764,	19232,	19233,
25931,	26090,	18774,	18775,	19234,	19235,
26100,	26130,	18776,	18777,	19236,	19237,
26134, 26141, 26707		18778,	18779,	19238,	19239,
\keys .. 18699, 18895,		18780,	18781,	19240,	19275,
18989, 19228, 19229		18782,	18783,	19276,	20002,
\keywords 324		18784,	18785,	20088, 20090, 20099	
\kill 18477		18786,	18787,	\l@ 24663	
\KOMAClassName 21728,		18788,	18792,	\l@addto@macro	
21901,	21908,	18793,	18794,	21711, 22450, 23223	
21930,	21936,	18796,	18798,	\l@chapter 9267, 9281,	
21943,	22131,	18801,	18802,	9444, 9458, 9722,	
22140,	22204,	18804,	18805,	15480, 20714,	
22314,	22467,	18806,	18815,	20728, 21086,	
22641,	22648,	18825,	18826,	21100, 21292,	
22670,	22676,	18827,	18828,	21477, 24311,	
22683,	22892,	18829,	18830,	24312, 24445, 25645	
22901,	22965,	18831,	18832,	\l@figure 8471,	
23076,	23240,	18833,	18839,	8472, 24554, 25673	
23414,	23421,	18841,	18842,	\l@ngrel@x	
23443,	23449,	18843,	18846,	.. 5750, 5751, 5753	
23456,	23657,	18848,	18850,	\l@paragraph	
23666, 23730, 23841		18855,	18856,	.... 24520, 25661	
\KV@errx 2349,		18857,	18859,	\l@part ... 532, 687,	
2352, 2355, 2375,		18861,	18866,	705, 931, 949,	
2378, 2381,		18868,	18870,	1170, 1188, 9243,	
2401, 2404, 2407		18878,	18889,	9259, 9420, 9436,	
		18890,	18905,	9707, 11308,	
		18906,	18907,	11563, 15465,	
		18908,	18926,	20690, 20706,	
		18946,	18954,	21062, 21078,	
		18959,	18973,	21278, 21462,	
		18978,	18982,	24308, 24309,	
		18983,	18984,	24398, 25637, 25640	
		18986,	18987,	\l@section 549,	
		18988,	18991,	713, 726, 915,	
		18995,	18997,	928, 1197, 1210,	
		18998,	18999,	11294, 24464, 25649	
		19000,	19001,	\l@subfigure ... 24591	

	L
\l 11176, 11192, 11195,	
11201, 11204,	
11206, 11207,	
11210, 11211,	
11214, 11217,	
11218, 11219,	
11224, 11225,	
11226, 11232,	
11233, 11234,	
11239, 11240,	



<code>\l@subparagraph</code> . . .	19927, 19929,	11550, 15551,
. . . . 24537, 25665	19931, 20749,	15616, 20788,
<code>\l@section</code>	21143, 21337,	20878, 20927,
. . . . 24486, 25653	21540, 22072,	21024, 21035,
<code>\l@subsection</code> . .	22833, 23598, 24326	21191, 21378, 21449
. . . . 24503, 25657	<code>\labelwidth</code> 89,	<code>\Large</code> 586, 8353,
<code>\l@subtable</code> 24611	90, 292, 293,	8416, 8490, 8735,
<code>\l@table</code>	603, 604, 738,	8736, 10640,
8472, 24572, 25669	739, 1001, 1002,	10733, 11332, 21267
<code>\label</code> 5102,	1251, 1252, 2602,	<code>\large</code> 450, 456,
7430, 7432, 7434,	2613, 2614, 5116,	521, 527, 541,
7438, 7490,	5118, 8501, 8502,	696, 786, 796,
15869, 16304,	9295, 9296, 9483,	871, 877, 940,
16310, 17023,	9484, 9792, 9793,	1038, 1048, 1123,
17041, 22125,	11354, 11355,	1129, 1179, 1288,
22886, 23651, 26777	11625, 11626,	1298, 1374, 1380,
<code>\labelitemi</code> 771, 1023,	15529, 15530,	1384, 1389, 8360,
1086, 1273, 9337,	16527, 17905,	8423, 8489, 9252,
9514, 20780, 20919	17906, 19868,	9352, 9362, 9429,
<code>\labelname</code> . . 19868,	19871, 19873,	9529, 9539, 9625,
19871, 19873,	19876, 19878,	9631, 9696, 9702,
19876, 19878,	19880, 19883,	9716, 10639,
19880, 19883,	19885, 19887,	10641, 10732,
19885, 19887,	19889, 19892,	10734, 11317,
19889, 19892,	19894, 19896,	11386, 11392,
19894, 19896,	19898, 19900,	11451, 11457,
19898, 19900,	19903, 19905,	11481, 11487,
19903, 19905,	19908, 19910,	11552, 11558,
19908, 19910,	19913, 19915,	11571, 15474,
19913, 19915,	19917, 19920,	15553, 15559,
19917, 19920,	19922, 19924,	15618, 15624,
19922, 19924,	19927, 19929,	20699, 20795,
19927, 19929, 19931	19931, 20747,	20805, 20880,
<code>\labelsep</code> 85, 90, 288,	20748, 21141,	20886, 20934,
293, 605, 740,	21142, 21335,	20944, 21026,
1003, 1253, 2594,	21336, 21538,	21032, 21036,
2615, 5117, 5119,	21539, 22070,	21041, 21071,
8500, 8502, 8559,	22071, 22831,	21193, 21199,
9297, 9485, 9794,	22832, 23596,	21286, 21380,
11356, 11627,	23597, 24324, 24325	21386, 21451,
15531, 17901,	<code>\landscape</code> 18592, 20106	21457, 21471,
17906, 19868,	<code>\langle</code> 4606	24960, 25392, 25430
19871, 19873,	<code>\Larg</code> 4605, 4606,	<code>\Largr</code> 4609
19876, 19878,	4607, 4608, 4609	<code>\Largs</code> 4608
19880, 19883,	<code>\Larga</code> 4606	<code>\lastbox</code> 10284, 14817,
19885, 19887,	<code>\Largb</code> 4607	14837, 14841,
19889, 19892,	<code>\LARGE</code> 448, 519,	18659, 20362,
19894, 19896,	779, 869, 1031,	26036, 26088, 26098
19898, 19900,	1121, 1281, 1372,	<code>\LastFrameCommand</code> .
19903, 19905,	1383, 8402, 8409,	. . . . 16389, 16499
19908, 19910,	8491, 8734, 9345,	<code>\lastkern</code> . . 8135, 16474
19913, 19915,	9522, 9623, 9694,	<code>\lastpenalty</code> 9842, 25485
19917, 19920,	10729, 11384,	<code>\lastrule</code> 9889
19922, 19924,	11449, 11479,	<code>\lastskip</code> 7568,



9170, 9171, 9841	15473, 15488,	21825, 22506,
\LastTOCLevelWasHigher	15767, 15782,	22565, 23279, 23338
..... 25362	16236, 16801,	\leftfootnoterule .
\LastTOCLevelWasLower	16847, 16867,	..... 4201,
..... 25358	17657, 17694,	10786, 11714,
\LastTOCLevelWasSame	17726, 17935,	16052, 16055,
..... 25360	17954, 18654,	16296, 16772, 26841
\LaTeX 17799,	19680, 19692,	\leftline . 20457, 26317
26122, 26123, 26141	19704, 20361,	\leftlinenumbers ..
\LaTeXe ... 26124, 26125	20442, 20447,	.... 18039, 18042
\LBEG 4610	20493, 20534,	\leftmargin 90,
\lcb 4607, 4610, 4611, 4614	20684, 20698,	293, 604, 605,
\lccode 6318,	20721, 20781,	739, 740, 975,
6320, 25887, 25888	20920, 21056,	1002, 1003,
\Lcs 4621	21070, 21093,	1252, 1253, 2602,
\LcsStar 4622	21285, 21300,	2614, 2615, 5118,
\leaders 21778,	21470, 21485,	5119, 7271, 8481,
22518, 23291,	21778, 22518,	8540, 8541, 8548,
24010, 24302,	23291, 23977,	8554, 9296, 9297,
25576, 25685, 26391	24028, 24252,	9484, 9485, 9793,
\leavevmode 14,	24275, 24423,	9794, 11355,
209, 305, 378,	24454, 24477,	11356, 11626,
540, 557, 681,	24494, 24511,	11627, 15530,
695, 720, 772,	24528, 24545,	15531, 17906,
909, 922, 939,	24562, 24580,	20531, 20748,
1024, 1087,	24599, 24619,	20749, 21142,
1164, 1178, 1204,	24654, 24847,	21143, 21336,
1274, 1559, 1562,	24959, 25050,	21337, 21539,
1566, 1569, 1572,	25567, 25681,	21540, 21716,
1583, 1597, 1600,	25930, 26127,	22071, 22072,
1619, 1637, 1642,	26133, 26140,	22455, 22832,
1741, 1747, 1751,	26152, 26159,	22833, 23228,
1763, 1781, 1787,	26233, 26337, 26387	23597, 23598,
1831, 1940, 2197,	\left 26153, 26160, 26166	24325, 24326,
2207, 2222, 2609,	\left@footnoterule	26203, 26206,
2787, 2790, 2840,	..... 30, 234,	26216, 26220,
2867, 2882, 2897,	440, 563, 750,	26228, 26265,
3056, 3089, 3101,	767, 986, 1019,	26267, 26268,
3113, 3430, 3456,	1230, 1269, 2290,	26269, 26274,
3655, 3693, 3703,	2322, 9307, 9333,	26276, 26277,
4739, 5047, 5536,	9460, 9510, 9615,	26278, 26283,
5590, 5647, 8123,	9737, 11366,	26285, 26286,
8464, 8932, 9008,	11378, 11471,	26287, 26292,
9237, 9251, 9274,	11665, 15515,	26294, 26295, 26296
9338, 9414, 9428,	15545, 16048,	\leftmargini . 7271,
9451, 9515, 9715,	16054, 16067,	8481, 8494, 8501
9730, 9810, 9811,	16069, 16206,	\leftmarginii 8495
9949, 10001,	16221, 17932,	\leftmarginiii ... 8496
11302, 11316,	18002, 18596,	\leftmarginiv 8497
11570, 12296,	18598, 20730,	\leftmarginv 8498
12589, 12882,	20776, 20913,	\leftmarginvi 8499
13181, 13480,	21153, 21173,	\leftmarginwidth 21307
13779, 14078,	21310, 21370,	\leftmark 8831
14377, 14676,	21492, 21766,	\leftskip 12, 13, 207,



208,	305,	309,	22447,	23220,	468,	469,	470,
538,	555,	558,	24244,	24256,	471,	472,	473,
559,	652,	665,	24273,	24294,	497,	498,	499,
676,	677,	682,	24296,	24301,	500,	501,	502,
693,	718,	721,	24305,	24306,	503,	504,	505,
722,	903,	904,	24418,	24419,	506,	507,	508,
910,	920,	923,	24420,	24428,	509,	516,	517,
924,	937,	959,	24449,	24450,	518,	608,	631,
1153,	1159,	1160,	24451,	24459,	646,	743,	765,
1165,	1176,	1202,	24472,	24473,	766,	767,	768,
1205,	1206,	1224,	24474,	24482,	769,	807,	808,
1966,	1967,	1971,	24489,	24490,	809,	810,	811,
2770,	2776,	3264,	24491,	24499,	812,	813,	814,
3266,	8458,	8466,	24506,	24507,	815,	816,	851,
8467,	9038,	9226,	24508,	24516,	852,	853,	854,
9232,	9233,	9238,	24523,	24524,	855,	856,	857,
9249,	9272,	9275,	24525,	24533,	858,	859,	860,
9276,	9403,	9409,	24540,	24541,	861,	868,	895,
9410,	9415,	9426,	24542,	24550,	1006,	1017,	1018,
9449,	9452,	9453,	24557,	24558,	1019,	1020,	1021,
9713,	9728,	9731,	24559,	24567,	1059,	1060,	1061,
9732,	9864,	9865,	24575,	24576,	1062,	1063,	1064,
9866,	9992,	9993,	24577,	24585,	1065,	1066,	1067,
9999,	11300,		24594,	24595,	1068,	1103,	1104,
11303,	11304,		24596,	24604,	1105,	1106,	1107,
11314,	11568,		24614,	24615,	1108,	1109,	1110,
12102,	15348,		24616,	24624,	1111,	1112,	1113,
15471,	15486,		24649,	24650,	1120,	1147,	1256,
15489,	15490,		24651,	24659,	1267,	1268,	1269,
17952,	17953,		24699,	24700,	1270,	1271,	1309,
18641,	19313,		24701,	25498,	1310,	1311,	1312,
19314,	19677,		25560,	25561,	1313,	1314,	1315,
19681,	19682,		25562,	25568,	1316,	1317,	1318,
19689,	19694,		25571,	25618,	1353,	1354,	1355,
19701,	19706,		25678,	25683,	1356,	1357,	1358,
20542,	20544,		25706,	25713,	1359,	1360,	1361,
20555,	20557,		26082,	26083,	1362,	1363,	1371,
20568,	20570,		26300,	26324,	1397,	1398,	1402,
20579,	20581,		26325,	26384,	1418,	1419,	1420,
20655,	20668,				1456,	1457,	1458,
20679,	20680,		\LEND	4611	1483,	1484,	1485,
20685,	20696,		\leqno	328, 20453,	1486,	1491,	1526,
20719,	20722,			20455, 26832, 26834	1527,	1844,	2147,
20723,	21051,		\let	86, 102,	2148,	2171,	2189,
21052,	21057,			115, 152, 153,	2290,	2306,	2322,
21068,	21091,			156, 157, 160,	2337,	2338,	2339,
21094,	21095,			161, 164, 222,	2346,	2347,	2348,
21105,	21118,			289, 319, 327,	2349,	2350,	2355,
21167,	21283,			328, 347, 380,	2356,	2372,	2373,
21298,	21301,			381, 386, 411,	2374,	2375,	2376,
21302,	21307,			415, 433, 438,	2381,	2382,	2398,
21308,	21468,			439, 440, 441,	2399,	2400,	2401,
21483,	21486,			442, 443, 444,	2402,	2407,	2408,
21487,	21708,			462, 463, 464,	2602,	2620,	2622,
				465, 466, 467,			



4104, 4106, 4108,
4238, 4239, 4246,
4335, 4391, 4393,
4395, 4427, 4500,
4501, 4502, 4503,
4504, 4505, 4506,
4507, 4508, 4509,
4510, 4694, 4695,
4696, 4723, 4740,
4741, 4742, 4743,
4744, 4745, 4746,
4747, 4748, 4750,
4751, 4752, 4862,
4863, 4864, 4865,
4866, 4867, 4868,
4869, 4870, 5122,
5131, 5204, 5222,
5246, 5265, 5270,
5295, 5296, 5303,
5304, 5307, 5308,
5311, 5312, 5318,
5319, 5322, 5323,
5326, 5327, 5330,
5331, 5365, 5498,
5501, 5515, 5751,
5773, 5795, 5796,
5926, 6006, 6008,
6011, 6012, 6013,
6014, 6015, 6070,
6108, 6115, 6123,
6134, 6140, 6148,
6151, 6154, 6164,
6168, 6170, 6235,
6236, 6241, 6348,
6351, 6382, 6468,
6475, 6478, 6488,
6498, 6509, 6576,
6586, 6588, 6622,
6633, 6724, 6740,
6760, 6775, 6791,
6884, 6905, 6906,
6922, 6965, 6968,
6970, 6975, 6989,
6997, 6998, 7018,
7019, 7046, 7057,
7062, 7066, 7068,
7071, 7081, 7092,
7119, 7130, 7139,
7188, 7193, 7209,
7210, 7211, 7212,
7214, 7215, 7216,
7217, 7263, 7393,
7394, 7431, 7432,
7438, 7440, 7444,

7489, 7490, 7572,
7574, 7576, 7722,
7723, 7736, 7740,
7742, 7743, 7749,
7753, 7757, 7766,
8010, 8011, 8029,
8030, 8048, 8049,
8076, 8077, 8105,
8106, 8107, 8204,
8225, 8226, 8227,
8233, 8254, 8255,
8256, 8262, 8283,
8284, 8285, 8301,
8305, 8306, 8307,
8310, 8314, 8315,
8316, 8319, 8323,
8324, 8325, 8472,
8536, 8577, 8664,
8731, 8732, 8733,
8923, 8924, 8926,
8927, 8945, 8966,
8967, 8968, 8969,
8970, 8971, 8972,
8973, 8974, 8977,
8978, 8979, 8980,
8981, 8982, 8983,
8984, 8985, 9046,
9064, 9115, 9121,
9142, 9155, 9165,
9179, 9183, 9184,
9185, 9186, 9187,
9188, 9189, 9190,
9191, 9197, 9198,
9199, 9200, 9201,
9202, 9203, 9204,
9205, 9220, 9300,
9331, 9332, 9333,
9334, 9335, 9373,
9374, 9375, 9376,
9377, 9378, 9379,
9380, 9381, 9382,
9397, 9488, 9508,
9509, 9510, 9511,
9512, 9550, 9551,
9552, 9553, 9554,
9555, 9556, 9557,
9558, 9559, 9608,
9613, 9614, 9615,
9616, 9617, 9618,
9619, 9637, 9638,
9639, 9640, 9641,
9642, 9643, 9644,
9645, 9646, 9647,
9648, 9672, 9673,

9674, 9675, 9676,
9677, 9678, 9679,
9680, 9681, 9682,
9683, 9684, 9691,
9692, 9693, 9797,
9821, 9823, 9826,
9827, 9828, 9834,
9839, 9859, 9871,
9872, 9873, 9875,
9876, 9882, 9883,
9884, 9885, 9905,
9914, 9955, 9961,
9982, 10154,
10157, 10158,
10217, 10220,
10221, 10784,
10785, 10786,
10787, 10788,
10791, 10792,
10794, 10812,
10813, 10815,
10833, 10834,
10838, 10873,
10875, 10887,
10890, 10891,
10895, 10925,
10927, 10939,
10942, 10943,
10990, 11014,
11022, 11030,
11359, 11376,
11377, 11378,
11379, 11380,
11398, 11399,
11400, 11401,
11402, 11403,
11404, 11405,
11406, 11407,
11431, 11432,
11433, 11434,
11435, 11436,
11437, 11438,
11439, 11440,
11441, 11448,
11469, 11470,
11471, 11472,
11473, 11474,
11475, 11493,
11494, 11495,
11496, 11497,
11498, 11499,
11500, 11501,
11502, 11503,
11504, 11528,



11529,	11530,	12763,	12764,	14530,	14531,
11531,	11532,	12767,	12769,	14532,	14533,
11533,	11534,	13025,	13026,	14536,	14538,
11535,	11536,	13027,	13031,	14545,	14546,
11537,	11538,	13035,	13036,	14547,	14551,
11539,	11540,	13037,	13038,	14555,	14556,
11547,	11548,	13041,	13043,	14557,	14558,
11549,	11630,	13050,	13051,	14561,	14563,
11682,	11683,	13052,	13056,	14846,	14857,
11684,	11685,	13060,	13061,	14858,	14859,
11686,	11687,	13062,	13063,	14862,	14865,
11696,	11697,	13066,	13068,	14866,	14871,
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\LT@endpbox 18479	. . 7836, 8162, 8312	13439, 13486,
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\LT@p@LTRftntext . .	9086, 16269,	\LTRsidenote 8031, 8291
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 13108, 13124,
 13139, 13151,
 13166, 13206,
 13235, 13248,
 13262, 13275,
 13289, 13300,

13306, 13312,
 13317, 13377,
 13407, 13423,
 13438, 13450,
 13465, 13505,
 13534, 13547,
 13561, 13574,
 13588, 13599,
 13605, 13611,
 13616, 13676,
 13706, 13722,
 13737, 13749,
 13764, 13804,
 13833, 13846,
 13860, 13873,
 13887, 13898,
 13904, 13910,
 13915, 13975,
 14005, 14021,
 14036, 14048,
 14063, 14103,
 14132, 14145,
 14159, 14172,
 14186, 14197,
 14203, 14209,
 14214, 14274,
 14304, 14320,
 14335, 14347,
 14362, 14402,
 14431, 14444,
 14458, 14471,
 14485, 14496,
 14502, 14508,
 14513, 14573,
 14603, 14619,
 14634, 14646,
 14661, 14701,
 14730, 14743,
 14757, 14770,
 14784, 14795,
 14801, 14807,
 14812, 15069,
 15100, 15118,
 15134, 15148,
 15164, 15203,
 15233, 15247,
 15262, 15276,
 15291, 15309,
 15320, 15334, 15343
 \m@m@h 12123,
 12124, 12125,
 12127, 12128, 12133
 \m@m@k 12123,
 12124, 12127,

12130, 12131, 12133
 \m@m@makecolfloats
 15353, 15404, 15411
 \m@m@makecolintro .
 15368, 15397, 15408
 \m@m@makecoltext ..
 15357, 15405, 15416
 \m@m@singlespace 11898
 \m@m@make@eightcol@footgroup
 13927, 13952, 14195
 \m@m@make@fivecol@footgroup
 13030, 13055, 13298
 \m@m@make@footstart .
 12100, 12111, 12116
 \m@m@make@fourcol@footgroup
 12731, 12756, 12999
 \m@m@make@eightcol@footgroup
 13937, 13962, 14207
 \m@m@make@mpfivecol@footgroup
 13040, 13065, 13310
 \m@m@make@mpfourcol@footgroup
 12741, 12766, 13011
 \m@m@make@mpninelcol@footgroup
 14236, 14261, 14506
 \m@m@make@mppara@footgroup
 14877, 14930, 15328
 \m@m@make@mpsevencol@footgroup
 13638, 13663, 13908
 \m@m@make@mpsixcol@footgroup
 13339, 13364, 13609
 \m@m@make@emptencol@footgroup
 14535, 14560, 14805
 \m@m@make@mpthreecol@footgroup
 12454, 12479, 12712
 \m@m@make@emptwocol@footgroup
 12155, 12180, 12425
 \m@m@make@ninelcol@footgroup
 14226, 14251, 14494
 \m@m@make@para@footgroup
 14863, 14916, 15301
 \m@m@make@para@footstart
 . 14864, 14870,
 14917, 14923,
 14973, 15024, 15346
 \m@m@make@sevencol@footgroup
 13628, 13653, 13896
 \m@m@make@sixcol@footgroup
 13329, 13354, 13597
 \m@m@make@tencol@footgroup
 14525, 14550, 14793
 \m@m@make@threecol@footgroup
 12444, 12469, 12700
 \m@m@make@twocol@footgroup
 12145, 12170, 12413



\m@doextrafeet ...	13868, 13881,	.... 12130, 12132
. 11957, 15398,	13895, 13983,	\m@mungebox
15409, 15440, 15453	14013, 14029,	. 14823, 15078,
\m@doextrafeetendmini	14044, 14056,	15109, 15127,
.... 12084, 12088	14071, 14111,	15143, 15157,
\m@doextrafeetmini	14140, 14153,	15173, 15212,
..... 12077	14167, 14180,	15242, 15256,
\m@dosplits 12126,	14194, 14282,	15271, 15285, 15300
12129, 12130, 12131	14312, 14328,	\m@munvxh . 14815, 14824
\m@minterparanoteglue	14343, 14355,	\m@ne 304, 576,
.... 14830, 14832	14370, 14410,	585, 5294, 5310,
\m@mipn@skip	14439, 14452,	5512, 6268, 6275,
14822, 14829, 14831	14466, 14479,	6527, 6532, 6542,
\m@mmakehboxofhboxes	14493, 14581,	6623, 7804, 7848,
. 14833, 15305,	14611, 14627,	7892, 9565, 9723,
15316, 15332, 15341	14642, 14654,	9760, 10104,
\m@mmf@prepare 11754,	14669, 14709,	11322, 11331,
11770, 11785,	14738, 14751,	11592, 15481,
11801, 11816,	14765, 14778,	15498, 17650,
11904, 12201,	14792, 15078,	19719, 20527,
12231, 12247,	15109, 15127,	21293, 21478,
12262, 12274,	15143, 15157,	21515, 22376,
12289, 12329,	15173, 15212,	23146, 23149,
12358, 12371,	15242, 15256,	23911, 23914,
12385, 12398,	15271, 15285, 15300	24404, 24446,
12412, 12499,	\m@mold@footnotetext	25504, 26602,
12528, 12543,	11879, 11887, 14963	26646, 26681, 26684
12557, 12568,	\m@mold@LTRfootnotetext	\m@th 383,
12582, 12621,	.... 11880, 11888	11138, 11143,
12649, 12661,	\m@mold@mpfootnotetext	11149, 15768,
12674, 12686,	11882, 11890, 14977	15783, 18508,
12699, 12787,	\m@mold@mpLTRfootnotetext	25576, 25685,
12817, 12833,	.... 11883, 11891	26166, 26260,
12848, 12860,	\m@mold@mpRTLfootnotetext	26330, 26332, 26391
12875, 12915,	11884, 11892, 14982	\maincolumnwidth ..
12944, 12957,	\m@mold@RTLfootnotetext	..... 5016,
12971, 12984,	11881, 11889, 14968	5025, 5026, 5027,
12998, 13086,	\m@mopfootnote	5028, 5030, 5034,
13116, 13132,	.... 15369, 15402	5049, 5053, 5078
13147, 13159,	\m@mremovehboxes ..	\mainend 3358
13174, 13214,	..... 14841,	\mainmatter 8824
13243, 13256,	14842, 15306,	\makeatletter 5933, 5952
13270, 13283,	15317, 15333, 15342	\makebox 11137,
13297, 13385,	\m@mrigidbodybalance ..	11142, 11211,
13415, 13431,	. 12124, 12418,	11214, 11217,
13446, 13458,	12429, 12705,	11224, 11232,
13473, 13513,	12716, 13004,	11239, 11280,
13542, 13555,	13015, 13303,	11284, 20061, 20079
13569, 13582,	13314, 13602,	\makefooter
13596, 13684,	13613, 13901,	10660, 10661, 10677
13714, 13730,	13912, 14200,	\MakeFramed 16391
13745, 13757,	14211, 14499,	\makelabel ... 2559,
13772, 13812,	14510, 14798, 14809	2579, 2602,
13841, 13854,	\m@msplitoff	2622, 8526, 26196



<code>\MakeLineNo</code> 18011	..... 10743,	<code>\mathindent</code> 15769, 15785
<code>\makeLineNumber</code> ...	10745, 10746,	<code>\mathsurround</code> . 414, 9838
.... 18012, 18014	10747, 10748, 10763	<code>\max@poem@no</code>
<code>\makeLineNumberLeft</code>	<code>\maketitlehookb</code> . 19340	.. 9024, 9126, 9127
..... 18017	<code>\maketitlehookc</code> . 19342	<code>\maxdepth</code> ... 15406,
<code>\makeLineNumberRight</code>	<code>\maketitlenamefullwidth</code>	15417, 16763, 16770
..... 18025	10737, 10738, 10740	<code>\maxdimen</code>
<code>\maketag@@@</code> ... 336,	<code>\maketitlenamemaxwidth</code>	. 10145, 10146,
11135, 11148, 18617	10735, 10736, 10740	10148, 10208,
<code>\makethanksmark</code> . 19295	<code>\maketitlenamewidth</code>	10209, 10211,
<code>\maketitle</code> 110,	..... 10739,	15074, 15105,
313, 320, 437,	10740, 10746, 10758	15123, 15139,
465, 476, 500,	<code>\maketitlepage</code>	15153, 15169,
763, 808, 830,	..... 8707, 8749	15208, 15238,
852, 1015, 1060,	<code>\maketitlepicturewidth</code>	15252, 15267,
1082, 1104, 1265,	..... 10741,	15281, 15296,
1310, 1332, 1354,	10742, 10748, 10777	15642, 15688,
4489, 4501, 5042,	<code>\MakeUppercase</code>	15689, 15690,
8621, 8725, 8749,	..... 125, 599,	15724, 15725,
9329, 9374, 9506,	627, 628, 643,	15726, 16398,
9551, 9612, 9640,	734, 892, 997,	16559, 16560,
9651, 9675,	1144, 1247, 9217,	16562, 16608,
10642, 10756,	9291, 9394, 9479,	16609, 16611,
11375, 11399,	9604, 9605, 9788,	19440, 19441,
11410, 11432,	11350, 11621,	19443, 19540,
11468, 11496,	15525, 17978,	19541, 19543,
11507, 11531,	20646, 20743,	24101, 24140,
15542, 15566,	20901, 21137,	25636, 25639,
15577, 15599,	21360, 21361, 21534	25644, 25648,
17597, 17598,	<code>\marginline</code>	25652, 25656,
17963, 19290,	22116, 22877, 23642	25660, 25664,
20772, 20817,	<code>\marginnote</code> 8300	25668, 25672,
20839, 20861,	<code>\marginpar</code> ... 7370,	25857, 26447,
20909, 20958,	8078, 22117,	26448, 26450,
20980, 21004,	22878, 23643, 25771	26494, 26495, 26497
21170, 21208,	<code>\marginparpush</code>	<code>\mbox</code> .. 16875, 21836,
21219, 21248,	..... 7303, 26700	21958, 21972,
21367, 21395,	<code>\marginparsep</code> . 4479,	21987, 22576,
21406, 21430,	4927, 7344, 7347,	22698, 22712,
21780, 21903,	7351, 7503,	22727, 23349,
21910, 21931,	7510, 16914,	23471, 23485, 23500
21938, 21945,	16916, 16920,	<code>\mc@col@status@write</code>
22009, 22520,	16925, 16928,	.... 19749, 19770
22643, 22650,	16930, 26711, 26713	<code>\mc@gridwarn</code> ... 19739
22671, 22678,	<code>\marginparwidth</code> 4478,	<code>\mc@lastcol@status@write</code>
22685, 22749,	4928, 7343, 7348,	.... 19755, 19778
23293, 23416,	7360, 7458, 7728,	<code>\mdf@footnotedistance@length</code>
23423, 23444,	7821, 7865, 7909,	..... 18680
23451, 23458, 23522	16914, 16916,	<code>\mdf@footnoteinput</code>
<code>\maketitledetailsnewline</code>	16928, 16930,	..... 18688
. 10751, 10766,	26619, 26663, 26713	<code>\mdf@footnoteoutput</code>
10768, 10769,	<code>\markboth</code> . 124, 590,	..... 18677
10770, 10771, 10772	8829, 11336, 17977	<code>\mdf@frametitleaboveskip@length</code>
<code>\maketitledetailwidth</code>	<code>\math@cr@@@align</code> .. 338	..... 18672



\mdf@frametitlealignment	\memRTLvrightskip 19316	\metropolis@blocksep
..... 18653	\message . 4364, 4366,	.. 3200, 3206, 3223
\mdf@frametitlebelowskip	\length 16399, 16407,	\metropolis@parskip
..... 18673	16411, 16416,	..... 3224, 3227
\mdf@frametitlebox	16424, 16430,	\metropolis@progressinheadfoot
. 18652, 18665,	16440, 16445,	.. 3482, 3489, 3491
18666, 18667,	16447, 16454,	\metropolis@progressinheadfoot@linewidth
18668, 18670, 18671	16462, 16475,	.. 3487, 3489, 3491
\mdf@frametitlefont	16483, 16488,	\metropolis@progressonsectionpage
..... 18655	16493, 16506,	.. 3167, 3173, 3175
\mdf@frametitlefontcolor	16517, 16525, 16537	\metropolis@progressonsectionpage@linewidth
..... 18654	\MessageBreak .....	.. 3171, 3173, 3175
\mdf@horizontalmargin@equation	.... 148, 6185,	\metropolis@strut .
..... 18630	6199, 6211, 6223,	..... 3213, 3215
\mdf@ignorevbadness	6900, 6911, 6918,	\MH
..... 18664	6930, 6936, 7034,	11151, 11156,
\mdf@lrbox 18623, 18652	7087, 7088, 7089,	11157, 11161,
\mdf@par@local .. 18646	7103, 7104, 7106,	11165, 11166,
\mdf@patchamsthm 18624	7384, 7480, 7707,	11170, 11178,
\mdfframedtitleenv	7708, 7776, 8380,	11180, 11185,
..... 18651	8381, 8382, 8384,	11197, 11205,
\mdfframetitleboxdepth	8385, 8389, 8390,	11210, 11213,
..... 18668	8391, 8393, 8394,	11216, 11218,
\mdfframetitleboxheight	19391, 19392,	11219, 11221,
..... 18667	19722, 19741,	11222, 11225,
\mdfframetitleboxtotalheight	19810, 21730,	11226, 11228,
..... 18669	21903, 21910,	11229, 11231,
\mdfframetitleboxwidth	21931, 21938,	11233, 11234,
..... 18666	21945, 22093,	11236, 11237,
\mdseries	22100, 22132,	11240, 11241,
307,	22141, 22205,	11243, 11244,
10636, 10638,	22207, 22209,	11246, 11251,
10640, 10641,	22210, 22211,	11252, 11253,
10728, 10729,	22469, 22643,	11254, 11255,
10730, 10733, 10734	22650, 22671,	11256, 11257,
\meaning	22678, 22685,	11258, 11259,
5203,	22854, 22861,	11268, 11270,
5206, 5472, 5923,	22893, 22902,	11274, 11275, 11277
5950, 5965, 5983,	22966, 22968,	\MHInternalSyntaxOff
5991, 6000, 6067	22970, 22971,	.... 11292, 18620
\mediabutton	22972, 23242,	\MHInternalSyntaxOn
19215, 19275, 19276	23416, 23423,	.... 11132, 18614
\medskip	23444, 23451,	\MidFrameCommand ..
8931	23458, 23619,	16387, 16431, 16499
\medskipamount	23626, 23658,	\minrowclearance ..
.... 1801, 1810,	23667, 23731,	.. 1488, 1522, 9943
1819, 2857, 2872,	23733, 23735,	\mintagvsep 11152
2887, 3088, 3100,	23736, 23737,	\missingfigure
3112, 3181, 11660	25079, 25081, 25084	.... 25815, 25845
\mem@makecol	\metropolis@block 3180	\mix
.... 15396, 15418	\metropolis@blockadjust	18709,
\memRTLleftskip . 19313	..... 3200,	18710, 18717,
\memRTLraggedleft 19318	3201, 3202,	18718, 18744,
\memRTLraggedright	3206, 3207, 3208	18761, 18784,
..... 19317		18787, 18789,
\memRTLrightskip 19314		
\memRTLvleftskip 19315		



18812, 18844,	\mp@footgroupv@r ..	19746, 19760, 19766
18852, 18861,	..... 12080,	\mult@footnotetext
18872, 18883,	12122, 12156,	..... 151, 153,
18885, 18890,	12181, 12334,	19813, 19816, 19829
18891, 18893,	12373, 12455,	\mult@info 19720
18894, 18896,	12480, 12626,	\mult@LTRfootnotetext
18908, 18917,	12663, 12742,	..... 155, 157,
18920, 18921,	12767, 12920,	19818, 19821, 19833
18922, 18932,	12959, 13041,	\mult@rightbox
18942, 18943,	13066, 13219,	. 19713, 19753,
18945, 18946,	13258, 13340,	19754, 19756,
18951, 18952,	13365, 13518,	19775, 19776, 19779
18968, 18970,	13557, 13639,	\mult@RTLfootnotetext
18972, 18977,	13664, 13817,	..... 159, 161,
19016, 19023,	13856, 13938,	19823, 19826, 19837
19024, 19027,	13963, 14116,	\multfootsep 8120, 8138
19045, 19047,	14155, 14237,	\multi@column@out .
19050, 19052,	14262, 14415,	.... 15453, 19854
19055, 19062,	14454, 14536,	\multicol@leftmargin
19070, 19072,	14561, 14714,	.... 19723, 19732
19125, 19130,	14753, 14879,	\multicols 19798
19141, 19142,	14932, 15217, 15258	\multicolumn
19145, 19176,	\mp@LTRfootgroupv@l	.... 18467, 24075
19181, 19183,	. 11830, 11867,	\multiplefootnotemarker
19190, 19191,	12081, 12158,	... 8119, 8135,
19194, 19209,	12183, 12332,	8229, 8230, 8258,
19213, 19216,	12400, 12457,	8259, 8287, 8288,
19218, 19227,	12482, 12624,	11903, 11905, 11906
19230, 19240,	12688, 12744,	\multiply 2472,
19241, 19243,	12769, 12918,	2483, 2661, 2665,
19266, 19272, 19276	12986, 13043,	4463, 4468,
\mkern 25577,	13068, 13217,	4852, 14884,
25578, 25686, 26392	13285, 13342,	14937, 14989,
\mobile 5004	13367, 13516,	15040, 15434,
\Mobilefone 4964	13584, 13641,	15435, 20268, 20272
\mobilesymbol	13666, 13815,	
4964, 10670, 10768	13883, 13940,	N
\mode 18886, 19219	13965, 14114,	\next 4104, 4106,
\modernpoem 9179	14182, 14239,	4108, 4109, 4391,
\modernpoem@obeylines	14264, 14413,	4393, 4395, 4396
..... 8926, 9179	14481, 14538,	\na ... 20271, 20273,
\modernpoem@par ...	14563, 14712,	20275, 20284,
.. 8926, 8927, 9143	14780, 14880,	20286, 20311, 20312
\month 3277	14933, 14985,	\narrower 26323
\morefloats . 7610, 7707	15036, 15215, 15287	\NAT@bibitem@first@sw
\moreLRE 4106,	\mpfootnoterule ...	..... 19949
4393, 20368, 26042	.... 16082, 16086	\nb 20271,
\moreRLE 4108,	\msg .. 18764, 18767,	20274, 20275,
4395, 20369, 26043	18815, 18818,	20284, 20285,
\moveleft	18833, 18836, 18878	20306, 20322, 20323
. 2454, 7760, 19634	\MT 11171,	\NC@find 24107
\moveright 2454, 3311,	11177, 11179, 18615	\NC@rewrite@X ... 24106
3317, 3326, 3334,	\mult@cols 19828	\NeedsTeXFormat 4002,
15875, 19732, 26783	\mult@firstbox	4456, 4512,



4691, 4883, 5132,	5786, 5791, 5913,	8932, 9129, 9130,
5200, 7219, 7785,	5937, 5988, 5997,	10751, 10945,
8327, 8473, 8589,	6077, 6082, 6085,	10946, 10955,
8616, 8765, 8789,	6088, 6091, 6094,	10962, 10978,
8854, 10580, 10678	6097, 6101, 6104,	10984, 11000,
\newcommand 5514, 5516	6118, 6130, 6143,	11007, 11678,
\new@poem@width 8941,	6158, 6722, 6723,	11692, 11719,
8942, 8943, 8944,	6739, 6754, 6758,	11723, 11729,
9029, 9063, 9066	6764, 6767, 6770,	11735, 11755,
\newblock 5130, 9041,	6773, 6778, 6781,	11786, 11829,
9141, 19943, 19945	6784, 6788, 6792,	11866, 11950,
\newboolean	6795, 6796, 6797,	11953, 12041,
. . . 7227, 7230,	6799, 6807, 6816,	12045, 12057,
7232, 7234, 7235,	6818, 6828, 6830,	12063, 12127,
7247, 7311, 7321,	6842, 6844, 6851,	12161, 12202,
7388, 7411, 7712,	6859, 6861, 6870,	12248, 12275,
8336, 8595, 8622	6872, 6883, 6885,	12330, 12372,
\newbox 8996, 8997	6886, 6890, 6894,	12399, 12419,
\newcommand . . 2050,	6964, 6974, 6978,	12430, 12460,
2058, 2766, 2774,	6983, 7017, 7055,	12500, 12544,
2793, 3276, 3679,	7078, 7079, 7080,	12569, 12622,
4006, 4039, 4040,	7112, 7113, 7114,	12662, 12687,
4046, 4052, 4069,	7115, 7126, 7223,	12706, 12717,
4070, 4074, 4075,	7224, 7225, 7226,	12747, 12788,
4085, 4088, 4091,	7248, 7251, 7278,	12834, 12861,
4095, 4115, 4116,	7305, 7306, 7307,	12916, 12958,
4131, 4147, 4163,	7308, 7323, 7342,	12985, 13005,
4292, 4596, 4602,	7378, 7380, 7381,	13016, 13046,
4605, 4606, 4607,	7386, 7387, 7389,	13087, 13133,
4608, 4609, 4610,	7390, 7397, 7398,	13160, 13215,
4611, 4908, 4994,	7399, 7407, 7410,	13257, 13284,
4999, 5000, 5001,	7498, 7516, 7726,	13304, 13315,
5003, 5004, 5005,	7734, 7744, 7747,	13345, 13386,
5007, 5008, 5010,	7755, 7924, 7925,	13432, 13459,
5011, 5022, 5023,	7926, 7927, 7928,	13514, 13556,
5043, 5050, 5052,	7929, 7930, 7931,	13583, 13603,
5056, 5060, 5062,	7932, 7933, 7934,	13614, 13644,
5068, 5077, 5079,	7935, 7936, 7937,	13685, 13731,
5081, 5085, 5089,	7938, 7939, 7940,	13758, 13813,
5094, 5106, 5130,	7941, 7942, 7943,	13855, 13882,
5136, 5332, 5340,	7944, 7945, 7946,	13902, 13913,
5348, 5356, 5373,	7947, 7948, 7949,	13943, 13984,
5379, 5385, 5391,	7958, 8008, 8027,	14030, 14057,
5397, 5403, 5409,	8046, 8068, 8074,	14112, 14154,
5415, 5422, 5425,	8099, 8100, 8134,	14181, 14201,
5428, 5434, 5446,	8290, 8291, 8292,	14212, 14242,
5452, 5464, 5467,	8300, 8309, 8318,	14283, 14329,
5469, 5476, 5480,	8331, 8332, 8455,	14356, 14411,
5486, 5493, 5496,	8508, 8588, 8601,	14453, 14480,
5499, 5502, 5504,	8635, 8636, 8637,	14500, 14511,
5506, 5508, 5528,	8638, 8639, 8640,	14541, 14582,
5557, 5582, 5611,	8641, 8642, 8693,	14628, 14655,
5636, 5674, 5708,	8707, 8883, 8890,	14710, 14752,
5725, 5736, 5742,	8899, 8903, 8913,	14779, 14799,



14810, 14843,	\newfloat@Error . 19995	7574, 22133,
14906, 14959,	\newfloat@setwithin	22142, 22894,
15010, 15079,	..... 19962	22903, 23659, 23668
15128, 15158,	\newif 4067,	\newlinechar 4336
15213, 15257,	4068, 4072, 4073,	\newlinetospace 7571,
15286, 15323,	4076, 4077, 4078,	7591, 7592, 7593,
15383, 15418,	4079, 4080, 4081,	8830, 8831, 8832
15419, 15420,	4083, 4084, 4377,	\newlistentry
15421, 15898,	4378, 4379, 4380,	..... 24630, 24697
15901, 15960,	4381, 4382, 4885,	\newpage 490,
15965, 15967,	4914, 5093, 5141,	512, 844, 864,
15973, 15989,	5939, 6430, 8810,	1096, 1116, 1346,
16013, 16025,	8998, 10583,	1366, 7081, 7083,
16079, 16125,	10585, 10587,	7087, 7092, 7093,
16126, 16127,	10589, 10654,	7096, 7100, 7102,
16180, 16182,	10681, 10683,	7105, 8726, 8763,
16312, 16315,	10685, 10687,	8764, 9665, 9687,
16318, 16321,	10750, 12044,	10577, 11424,
16958, 18078,	15956, 15964,	11444, 11521,
18089, 19784,	18622, 25724, 25725	11543, 15591,
19787, 19790,	\newinsert ... 4111,	15611, 18474,
21683, 21684,	4398, 7613, 7614,	19304, 20853,
22422, 22423,	7615, 7616, 7617,	20873, 20994,
23195, 23196,	7618, 7619, 7620,	21016, 21238,
25726, 25728,	7621, 7622, 7623,	21260, 21420, 21442
26033, 26034,	7624, 7625, 7626,	\newpoem@tabcr
26082, 26083,	7627, 7628, 7629,	.. 9142, 9151, 9152
26184, 26306,	7630, 7631, 7632,	\newsavebox .. 4642,
26307, 26407,	7633, 7634, 7635,	7356, 7391, 7392
26535, 26536, 26733	7636, 7637, 7638,	\newskip 4680,
\newcount 4282, 4459,	7639, 7640, 7641,	4681, 4682,
4460, 5134, 5144,	7642, 7643, 7644,	5517, 14829, 16549
5148, 5526, 6261,	7645, 7646, 7662,	\newthought 8529
6364, 6524, 6585,	7663, 7664, 7665,	\NewTokenList 6471
6665, 12023,	7666, 7667, 7668,	\newtoks 4693,
12025, 12123, 26399	7669, 7670, 7671,	5214, 5215, 6262,
\newcounter	7672, 7673, 7674,	6263, 6433, 6446,
... 8007, 9125,	7675, 7676, 7677,	6471, 6524, 8939,
15794, 15958,	7678, 7679, 7680,	15966, 20364, 26038
24633, 24637, 24638	7681, 7682, 7683,	\newXeTeXintercharclass
\newdimen 8887,	7684, 7685, 7686,	..... 4284, 4285
8888, 8938,	7687, 12107,	\next 26430, 26433
11674, 12123, 16687	12112, 12118, 12120	\next@tdpage 21837,
\newenvironment 4643,	\newlength ... 5012,	21846, 21917,
4654, 4663, 4672,	5013, 5014, 5016,	21954, 21963,
5107, 7357, 7372,	5017, 5018, 5020,	21967, 21977,
7375, 7413, 7540,	5021, 5104, 7339,	21981, 21992,
9114, 9178,	7340, 7341, 7395,	21996, 22577,
17899, 26086,	7412, 8200,	22586, 22657,
26096, 26262,	10735, 10737,	22694, 22703,
26271, 26280, 26289	10739, 10741,	22707, 22717,
\newfloat@@setwithin	10743, 24665,	22721, 22732,
..... 19976,	24667, 24668, 25381	22736, 23350,
19982, 19990, 19992	\newline 5075,	23359, 23430,



23467, 23476,	18001, 18581,	5993, 5999, 6000,
23480, 23490,	18679, 19683,	6002, 6064, 6066,
23494, 23505, 23509	19694, 19695,	6067, 6281, 6427,
\next@tpage . 21836,	19706, 19707,	6432, 6438, 6486,
21843, 21889,	20530, 20532,	6514, 6517, 6520,
21965, 21979,	20685, 20686,	6521, 6605, 6612,
21994, 22576,	20700, 20724,	6615, 6616, 6633,
22583, 22629,	21057, 21058,	6637, 6639, 6640,
22705, 22719,	21072, 21096,	6641, 6649, 6650,
22734, 23349,	21287, 21303,	6651, 6654, 6655,
23356, 23402,	21472, 21488,	6656, 6691, 6748,
23478, 23492, 23507	21517, 21521,	6909, 6910, 6912,
\NineColumnFootnotes	21529, 22054,	7048, 7153, 7187,
..... 14242	24262, 24279,	7188, 7976, 7978,
\ninecolumnfootnotes	24286, 24428,	7986, 8379, 8382,
..... 14217	24431, 24459,	8388, 8391, 9073,
\no ... 3363, 3388, 3408	24460, 24482,	9076, 9079, 9131,
\no@bib@break	24483, 24499,	10535, 10887,
22079, 22840, 23605	24500, 24516,	10939, 12031,
\noalign . 1402, 9052,	24517, 24533,	12032, 15796,
12130, 18474,	24534, 24550,	15797, 15802,
18475, 18476,	24551, 24567,	15803, 15855,
22277, 22303,	24568, 24585,	16700, 16710,
22305, 23039,	24586, 24604,	17418, 17428,
23065, 23067,	24605, 24624,	17436, 17437,
23804, 23830, 23832	24625, 24659,	17438, 17440,
\nobibliography .. 8004	24660, 24695,	17466, 17474,
\nobidilogo 4427	24857, 24858,	17475, 17476,
\nobreak 14, 16,	24967, 24969,	17478, 17507,
209, 211, 542,	25060, 25092,	17508, 17509,
560, 587, 591,	25097, 25100,	17511, 17538,
682, 683, 697,	25569, 25574,	17539, 17540,
723, 910, 911,	25582, 25683,	17542, 17569,
925, 941, 1165,	25684, 25688,	17570, 17571,
1166, 1180, 1207,	26389, 26390, 26394	17573, 18503,
2209, 2216, 2533,	\nobreakspace 586	18548, 18551,
2535, 2537, 3667,	\node 3404, 3406, 3411,	19143, 19408,
7143, 8127, 8467,	3412, 3414, 3415,	21796, 21797,
8468, 8952, 8954,	25769, 25799, 25805	21798, 21799,
8960, 9238, 9239,	\noexpand 400,	21800, 21801,
9253, 9277, 9415,	4715, 4716, 4730,	22076, 22077,
9416, 9430, 9454,	4731, 4758, 4761,	22536, 22537,
9568, 9576, 9588,	4764, 5169, 5210,	22538, 22539,
9717, 9733, 9763,	5219, 5223, 5243,	22540, 22541,
9768, 9776, 9994,	5247, 5369, 5471,	22837, 22838,
11305, 11318,	5472, 5474, 5532,	23309, 23310,
11333, 11337,	5560, 5586, 5614,	23311, 23312,
11345, 11572,	5640, 5643, 5677,	23313, 23314,
11595, 11600,	5680, 5918, 5919,	23602, 23603,
11609, 11653,	5920, 5922, 5923,	23971, 24043,
11654, 15475,	5948, 5950, 5968,	24080, 24081,
15491, 15500,	5969, 5970, 5973,	24154, 24161,
15504, 15512,	5980, 5981, 5982,	24640, 25172,
17954, 17956,	5984, 5990, 5991,	25205, 25212,



25217, 25218,	2534, 2864, 2879,	8052, 8118, 8353,
25304, 25708,	2894, 3217, 3287,	8360, 8367, 8559,
25709, 25710,	3292, 3308, 3342,	9564, 9584, 9654,
25711, 25712,	3347, 3481, 3543,	9657, 9759, 9774,
25713, 25714,	3548, 3691, 3708,	11138, 11143,
25715, 25716,	3786, 3793, 3809,	11149, 11330,
25958, 25973,	3882, 3888, 3903,	11343, 11413,
26001, 26007,	10804, 10825,	11416, 11510,
26020, 26353, 26737	16370, 18662,	11513, 11591,
\noindent 480,	19730, 26708, 26716	11607, 11914,
658, 667, 965,	\nopagebreak	11918, 11920,
1217, 1226,	. 9006, 9016, 18476	11926, 11930,
2815, 2822, 2829,	\nopagenumbers . . . 5094	11932, 11938,
3232, 3238, 3244,	\normalbaselines 26166	11942, 11944,
4493, 7366, 7559,	\normalbaselineskip	15497, 15510,
8150, 8168, 8186,	. . . . . 311,	15580, 15583,
8303, 8312, 8321,	7264, 14883,	16329, 16333,
8531, 8551, 8712,	14897, 14936,	16335, 16341,
8714, 8716, 8907,	14950, 14988,	16345, 16347,
9287, 9475, 9655,	15002, 15039,	16353, 16357,
9851, 11414,	15053, 18643, 20604	16359, 17901,
11511, 11656,	\normalcolor	17936, 17941,
11721, 15076,	. . . 2184, 4860,	17987, 18655,
15107, 15125,	9955, 10166,	19294, 19708,
15141, 15155,	10231, 10463,	20063, 20076,
15171, 15210,	10482, 11266,	20843, 20845,
15240, 15254,	12092, 15377,	20984, 20986,
15269, 15283,	15390, 16259,	21180, 21187,
15298, 15311,	16379, 16584,	21223, 21230,
15322, 15336,	16631, 16732,	21409, 21412,
15345, 15581,	16742, 16749,	21514, 21527,
16778, 19368,	17987, 18681,	22357, 23120,
20661, 20670,	19708, 22357,	23885, 24685,
21111, 21120,	23120, 23885,	24690, 24691,
21186, 21229,	25444, 25467,	25099, 25444,
21410, 21720,	25473, 25689,	25467, 25473,
21759, 21837,	25935, 26395,	25689, 26395, 26836
21840, 21844,	26468, 26517,	\normalfootnotes . .
22054, 22239,	26547, 26563,	. . . . 11885, 11896
22250, 22459,	26574, 26582,	\normallineskip . . .
22499, 22577,	26789, 26805, 26836	4952, 18642, 20603
22580, 22584,	\normalfont 25,	\normalparindent 42,
23000, 23011,	38, 52, 68, 85,	56, 72, 245, 259, 274
23232, 23272,	241, 255, 270,	\NormalRTLParaLTRFootnotes
23350, 23353,	288, 479, 482,	. . . . . 15010
23357, 23765,	584, 834, 836,	\normalRTLparaLTRfootnotes
23776, 25747,	1088, 1336, 1338,	. . . . . 14959
25750, 25752,	3090, 3102, 3114,	\normalsfcodes
25754, 25757,	4492, 4495, 4605,	. . . . 15868, 26776
25761, 25763,	4610, 4611, 4613,	\normalsize 307, 1562,
25819, 25881, 26322	4614, 4615, 4616,	1572, 1600, 1642,
\noindentlineskip . .	4617, 4618, 4619,	1751, 1765, 1787,
. . . 1906, 1919,	7305, 7924, 7925,	2442, 2790, 7257,
2426, 2514, 2527,	7926, 8014, 8033,	7258, 7265, 7832,



\outer	4453	10385,	10392,	21522,	21525,
\outer@nobreak	4878,	10551,	10571,	21530,	21768,
7826,	7870,	10789,	10790,	21772,	21775,
7914,	26624, 26668	11297,	11311,	21779,	22330,
\outputpenalty	10500,	11367,	11369,	22348,	22508,
10503,	10512,	11371,	11373,	22512,	22515,
10515,	10525,	11382,	11477,	22519,	23092,
10528,	18556, 18557	11566,	11590,	23111,	23281,
\overfullrule		11596,	11601,	23285,	23288,
. 4912, 4913, 20493		11605,	11610,	23292,	23857,
\OVP@calc	20058	11666,	11668,	23876,	24390,
		11670,	11672,	24666,	24834,
		11717,	11718,	24837,	24841,
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		15496,	15501,	24953,	25365,
		15505,	15508,	25368,	25372,
		15513,	15516,	25378,	25493,
		15518,	15520,	25677,	26383, 26846
		15522,	15549,	\p@enumiv	86,
		15650,	16045,	289,	608, 743,
		16047,	16048,	1006,	1256, 2620,
		16049,	16050,	5122,	9300, 9488,
		16051,	16083,	9797,	11359,
		16805,	16812,	11630,	15534,
		16851,	16858,	17902,	20752,
		16903,	17916,	21146,	21340,
		17920,	17929,	21543,	22083,
		17931,	17932,	22844,	23609, 24329
		17933,	17985,	\p@subfigure . . .	24054
		18003,	18005,	\p@subtable	24055
		18007,	18009,	\PackageError	
		19346,	19676,	. . . . 144,	5280,
		19688,	19700,	5335,	5338, 5343,
		19794,	19795,	5346,	5351, 5354,
		19842,	19844,	5359,	5362, 5519,
		19845,	19846,	7097,	7224, 8332,
		20644,	20648,	18069,	18076,
		20677,	20693,	18243,	18246,
		20709,	20716,	18249,	18252,
		20731,	20737,	18255,	18258,
		20785,	20899,	18261,	18264,
		20903,	20924,	18268,	18271,
		21049,	21065,	18274,	18277,
		21081,	21088,	18280,	18283,
		21154,	21160,	18286,	18289,
		21189,	21281,	18292,	18295,
		21295,	21311,	18298,	18301,
		21313,	21315,	18304,	18307,
		21317,	21358,	18310,	18313,
		21363,	21376,	18316,	18319,
		21465,	21480,	18322,	18325,
		21493,	21495,	18328,	18331,
		21497,	21499,	18334,	18337,
		21513,	21518,	18340,	18343,



18346, 18349,	\pageref	5098, 5100	21808, 22548, 23321
18352, 18355,	\pageshrink .	10347,	\par 5, 15,
18358, 18361,	10350, 10376,		46, 60, 76, 107,
18364, 18367,	10400, 16414,		108, 109, 110,
18370, 18373,	16418, 16434,		200, 210, 227,
18376, 18379,	16460, 16472, 25865		228, 229, 249,
18382, 18385,	\pagestretch		263, 278, 310,
18388, 18391,	. 10401, 16413,		313, 415, 448,
18394, 18397,	16434, 16472, 25869		454, 456, 457,
18400, 18403,	\pagestyle 2151, 4458,		476, 519, 525,
18406, 18409,	4950, 4958, 5101,		529, 541, 560,
18412, 18415,	7579, 8815, 10676		587, 590, 659,
18418, 18421,	\pagetotal . .	16400,	669, 683, 696,
18424, 18427,	16405, 16411,		723, 784, 794,
18430, 18433,	19303, 19644,		801, 802, 830,
18436, 18439,	19647, 19658,		869, 875, 879,
18442, 18445,	25857, 25862, 25920		911, 925, 940,
18448, 18451,	\paperheight		966, 980, 1036,
18454, 19806,	. . . 2980, 2985,		1046, 1053, 1054,
24290, 24644, 26409	2992, 3285, 3286,		1082, 1121, 1127,
\PackageInfo .	3291, 3309, 3343,		1131, 1166, 1179,
5522,	3344, 3674, 4887,		1207, 1218, 1228,
6785, 6887, 7034,	4890, 4893, 4896,		1286, 1296, 1303,
7226, 20615, 25719	4899, 4902, 4905,		1304, 1332, 1372,
\PackageWarning	4906, 11072,		1378, 1383, 1388,
138,	21810, 22550, 23323		1391, 1559, 1563,
5520, 6138, 6255,	\paperwidth . .	2023,	1566, 1569, 1574,
6888, 6917,	2161, 2474, 2491,		1594, 1597, 1602,
9120, 10592,	2505, 3036, 3376,		1634, 1639, 1646,
10690, 15798,	3378, 3380, 3381,		1744, 1748, 1754,
16504, 19740,	3394, 3401, 3402,		1775, 1783, 1790,
19800, 19956,	3406, 3414, 3415,		1801, 1810, 1819,
24635, 24986, 25077	3432, 3435, 3438,		2221, 2426, 2533,
\PackageWarningNoLine	3459, 3461, 3466,		2787, 2791, 2817,
. 5155,	3468, 3483, 3485,		2824, 2831, 2846,
5521, 5550, 5575,	3487, 3489, 3510,		2857, 2861, 2872,
5604, 5629, 5661,	3546, 3573, 3656,		2876, 2887, 2891,
5667, 5695,	3658, 3663, 3665,		3062, 3069, 3075,
5701, 7084, 12068	3676, 3700, 3713,		3081, 3088, 3100,
\page@sofar .	3716, 3722, 3727,		3112, 3134, 3141,
164, 19712	3749, 3757, 3769,		3155, 3162, 3181,
\pagebreak	3789, 3795, 3797,		3234, 3240, 3246,
18475, 25865, 25874	3811, 3815, 3837,		3557, 3559, 3607,
\pagecontents . . .	3841, 3849, 3852,		3628, 3636, 3704,
20428	3858, 3861, 3868,		3706, 3802, 3804,
\pagedepth	3871, 3885, 3890,		3897, 3899, 4453,
25859	3892, 3905, 3909,		4489, 4876, 7453,
\pagefillstretch	3928, 3931, 3934,		7461, 7520, 7521,
25871	3940, 3943, 3959,		7524, 7525, 7550,
\pagefilstretch .	3962, 3977, 4888,		7559, 7560, 7729,
25870	4891, 4894, 4897,		7745, 8469, 8584,
\pagefootnoterule .	4900, 4903, 4906,		8585, 8586, 8587,
. 16081, 16089	4907, 11072,		8712, 8714, 8716,
\pagegoal	11079, 11089,		8734, 8735, 8736,
. 16398, 16400,			
16405, 16412,			
16453, 16455,			
18562, 19646, 25862			
\pageinwindow . . .			
10111			
\pagenumbering			
4959, 8814			



8910, 9017, 9031,	17924,	17925,	22173,	22230,
9042, 9060, 9135,	17926,	17945,	22238,	22241,
9143, 9168, 9239,	17955,	17963,	22249,	22251,
9252, 9277, 9288,	17991,	17996,	22262,	22269,
9350, 9360, 9367,	17999,	18001,	22498,	22591,
9368, 9416, 9429,	18110,	18508,	22592,	22597,
9454, 9476, 9527,	18635,	18658,	22600,	22602,
9537, 9544, 9545,	18662,	19290,	22609,	22613,
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9623, 9629, 9631,	19374,	19378,	22632,	22636,
9632, 9651, 9694,	19384,	19399,	22658,	22666,
9700, 9704, 9716,	19418,	19427,	22934,	22991,
9733, 9763, 9768,	19684,	19696,	22999,	23002,
9776, 9853, 9994,	19709,	19869,	23010,	23012,
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11390, 11392,	20523,	20530,	23382,	23386,
11393, 11410,	20531,	20591,	23388,	23390,
11449, 11455,	20662,	20672,	23405,	23409,
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11485, 11487,	20724,	20793,	23699,	23756,
11488, 11507,	20803,	20810,	23764,	23767,
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11560, 11571,	20878,	20884,	23788,	23795,
11595, 11600,	20888,	20932,	24085,	24696,
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11648, 11651,	20950,	20980,	24968,	25092,
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11664, 12086,	21035,	21040,	25747,	25748,
12299, 12302,	21043,	21058,	25754,	25755,
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12595, 12598,	21112,	21122,	25818,	26084,
12885, 12888,	21186,	21191,	26085,	26094,
12891, 13184,	21197,	21199,	26095,	26263,
13187, 13190,	21200,	21219,	26272,	26281,
13483, 13486,	21229,	21267,	26290,	26357,
13489, 13782,	21272,	21275,	26396, 26825, 26846	
13785, 13788,	21286,	21303,	\par@updaterelative	
14081, 14084,	21378,	21384,	21848, 22588, 23361	
14087, 14380,	21386,	21387,	\paragraph 8365	
14383, 14386,	21406,	21449,	\ParagraphFootnotes	
14679, 14682,	21455,	21459,	. . . . . 14906	
14685, 15311,	21471,	21488,	\paragraphfootnotes	
15322, 15336,	21517,	21521,	. . . . . 14853	
15345, 15474,	21529,	21758,	\parbox 5047,	
15491, 15500,	21851,	21852,	5049, 10664,	
15504, 15512,	21857,	21860,	11659, 17063,	
15551, 15557,	21862,	21869,	17065, 17069,	
15559, 15560,	21873,	21875,	17071, 17102,	
15577, 15616,	21877,	21892,	17103, 17106,	
15622, 15626,	21896,	21918,	17107, 17164,	
15792, 16255,	21926,	22054,	17165, 17168,	



17169,	17193,	24241,	24270,	19678,	19690,
17195,	17199,	24300,	24420,	19702,	19936,
17201,	18512,	24451,	24474,	20546,	20559,
19356,	19385,	24491,	24508,	20572,	20583,
19867,	19869,	24525,	24542,	20647,	20683,
19870,	19872,	24559,	24577,	20696,	20719,
19874,	19875,	24596,	24616,	20779,	20796,
19877,	19879,	24651,	24846,	20902,	20918,
19881,	19882,	24958,	25026,	20935,	21055,
19884,	19886,	25028,	25092,	21068,	21091,
19887,	19888,	25562,	25564,	21186,	21229,
19889,	19890,	25678, 26301, 26384		21266,	21283,
19891,	19893,	\parindent 12,		21298,	21362,
19894,	19895,	42, 56, 72, 103,		21410,	21468,
19896,	19897,	207, 223, 245,		21483,	21514,
19898,	19899,	259, 274, 480,		21526,	21720,
19900,	19901,	538, 555, 582,		21759,	22459,
19902,	19904,	629, 644, 680,		22499,	23232,
19905,	19906,	693, 718, 770,		23272,	24251,
19907,	19909,	787, 893, 908,		24288,	24389,
19910,	19911,	920, 937, 974,		24421,	24452,
19912,	19914,	1022, 1039, 1085,		24475,	24492,
19915,	19916,	1145, 1163, 1176,		24509,	24526,
19917,	19918,	1202, 1272, 1289,		24543,	24560,
19919,	19921,	2815, 2822, 2829,		24578,	24597,
19922,	19923,	3232, 3238, 3244,		24617,	24652,
19924,	19925,	4493, 4954, 7281,		24845,	24957,
19926,	19928,	7952, 8461, 8503,		25031,	25033,
19929,	19930,	8511, 8576, 8729,		25498,	25559,
19931,	19932,	9035, 9138, 9218,		25560,	25679,
22285, 23047, 23812		9236, 9249, 9272,		26090,	26100,
\parfillskip . . . 13,		9336, 9353, 9395,		26201,	26301,
208, 539, 556,		9413, 9426, 9449,		26324, 26325, 26385	
678, 694, 719,		9513, 9530, 9564,		\parsep . . . 977, 7273,	
905, 921, 938,		9584, 9606, 9655,		7274, 8483, 8484,	
1161, 1177,		9713, 9728, 9759,		8522, 8549, 26200	
1203, 8460, 9036,		9773, 9877, 9908,		\parshape 9850, 16526,	
9234, 9250, 9273,		9999, 11300,		16534, 20026,	
9411, 9427, 9450,		11314, 11328,		20046, 20241,	
9714, 9729, 9881,		11341, 11414,		20406, 20408,	
10000, 11301,		11511, 11568,		21185, 21228,	
11315, 11569,		11591, 11606,		21739, 21741,	
15178, 15182,		11720, 12104,		21752, 21754,	
15186, 15472,		12294, 12587,		22478, 22480,	
15487, 17953,		12880, 13179,		22492, 22494,	
18642, 19677,		13478, 13777,		23251, 23253,	
19689, 19701,		14076, 14375,		23265, 23267,	
20545, 20558,		14674, 15177,		26084, 26094,	
20571, 20582,		15181, 15185,		26230, 26265,	
20681, 20697,		15350, 15471,		26267, 26268,	
20720, 21053,		15486, 15497,		26269, 26274,	
21069, 21092,		15509, 15581,		26276, 26277,	
21284, 21299,		16777, 17920,		26278, 26283,	
21469, 21484,		17952, 18638,		26285, 26286,	



26287, 26292, 26294, 26295, 26296	9734, 9838, 9844, 10497, 10509, 10522, 14828, 15179, 15183, 15187, 15492, 16435, 20725, 20788, 20927, 21097, 21304, 21489, 24860, 25486, 25594, 25861	\pgfpathclose 2936, 2952 \pgfpathcurveto 1894, 2928, 2932, 2944, 2948 \pgfpathlineto 1893, 1900, 1901, 2927, 2943 \pgfpathqcurveto 1892, 2925, 2926, 2941, 2942 \pgfpathqlineto 2700, 2701, 2720, 2721, 2723, 2724, 2743, 2744 \pgfpathqmoveto 1891, 2699, 2719, 2722, 2742, 2924, 2940 \pgfpathrectangle 1914, 2507, 2520, 3716, 3722, 3757, 3815, 3841, 3909 \pgfpic 20221 \pgfpicture 20162 \pgfpictureid 20167, 20178 \pgfpicturetrue ... zefalse 1922, 20165 \pgfpoint 1589, 1893, \pgf@relevantforpicturesizefalse 1895, 1896, 1897, 20173 1900, 1901, 1914, \pgf@remember@layerlist@globally 1916, 2507, 2513, 20207 2520, 2526, 2697, \pgf@resetpathsizes 2717, 2740, 2927, 20174 2929, 2930, 2931, \pgf@restore@layerlist@fromglobally 2933, 2934, 2935, 20211 2943, 2945, 2946, \pgf@shift@baseline 2947, 2949, 2950, 20191 2951, 3296, 3303, \pgf@trimleft ... 20193 3716, 3722, 3757, \pgf@trimleft@final 3815, 3841, 3909 20195, 20196, 20198 \pgf@trimright .. 20200 \pgf@trimright@final 20202, 20203, 20205 20202, 20203, 20205 \pgf@x 20194, 20198, 20201, 20205 \pgf@y 20191 \pgfdeclarehorizontalshading 3753, 3755, 3814, 3840, 3908 \pgfdefobject 2697, 2717, 2740 \pgfmathsetmacro . 3375 \pgfpathcircle ... 1589
\parskip 103, 223, 630, 645, 894, 1146, 2155, 2861, 2876, 2891, 3182, 3227, 4486, 4955, 7282, 7953, 8504, 8512, 8575, 8730, 9034, 9137, 9172, 9219, 9396, 9607, 10501, 10513, 10526, 11647, 11650, 11652, 11654, 17920, 17995, 17998, 18000, 18638, 18647, 20241, 20594, 20648, 20903, 21266, 21363, 24390, 25498, 25856, 25860, 26200	\pgf@baseline ... 20190 \pgf@insertlayers 20212 \pgf@nodecallback 20168 \pgf@oldpicture . 20175 \pgf@picmaxx 20169, 20181, 20183, 20201 \pgf@picmaxy 20171, 20185 \pgf@picminx 20170, 20184, 20194 \pgf@picminy 20172, 20186 \pgf@picture ... 20175 \pgf@picture@serial@count 20166, 20167 \pgf@process 20190, 20193, 20200 \pgf@relevantforpicturesizefalse 20189 20173 \pgf@resetpathsizes 20174 20174 \pgf@restore@layerlist@fromglobally 20211 20211 \pgf@shift@baseline 20191 20193 \pgf@trimleft ... 20193 \pgf@trimleft@final 20195, 20196, 20198 \pgf@trimright .. 20200 \pgf@trimright@final 20202, 20203, 20205 20202, 20203, 20205 \pgf@x 20194, 20198, 20201, 20205 \pgf@y 20191 \pgfdeclarehorizontalshading 3753, 3755, 3814, 3840, 3908 \pgfdefobject 2697, 2717, 2740 \pgfmathsetmacro . 3375 \pgfpathcircle ... 1589	\pgfpathclose 2936, 2952 \pgfpathcurveto 1894, 2928, 2932, 2944, 2948 \pgfpathlineto 1893, 1900, 1901, 2927, 2943 \pgfpathqcurveto 1892, 2925, 2926, 2941, 2942 \pgfpathqlineto 2700, 2701, 2720, 2721, 2723, 2724, 2743, 2744 \pgfpathqmoveto 1891, 2699, 2719, 2722, 2742, 2924, 2940 \pgfpathrectangle 1914, 2507, 2520, 3716, 3722, 3757, 3815, 3841, 3909 \pgfpic 20221 \pgfpicture 20162 \pgfpictureid 20167, 20178 \pgfpicturetrue ... zefalse 1922, 20165 \pgfpoint 1589, 1893, \pgf@relevantforpicturesizefalse 1895, 1896, 1897, 20173 1900, 1901, 1914, \pgf@remember@layerlist@globally 1916, 2507, 2513, 20207 2520, 2526, 2697, \pgf@resetpathsizes 2717, 2740, 2927, 20174 2929, 2930, 2931, \pgf@restore@layerlist@fromglobally 2933, 2934, 2935, 20211 2943, 2945, 2946, \pgf@shift@baseline 2947, 2949, 2950, 20191 2951, 3296, 3303, \pgf@trimleft ... 20193 3716, 3722, 3757, \pgf@trimleft@final 3815, 3841, 3909 20195, 20196, 20198 \pgf@trimright .. 20200 \pgf@trimright@final 20202, 20203, 20205 20202, 20203, 20205 \pgf@x 20194, 20198, 20201, 20205 \pgf@y 20191 \pgfdeclarehorizontalshading 3753, 3755, 3814, 3840, 3908 \pgfdefobject 2697, 2717, 2740 \pgfmathsetmacro . 3375 \pgfpathcircle ... 1589
\part 23, 17939 \partname ... 586, 11332 \partopsep ... 2617, 8525, 19341, 19343, 20020, 20040 \PassOptionsToClass 8767, 8768, 8769, 8770, 8771, 8791, 8792, 8793, 8794, 8795 \PassOptionsToPackage 7784, 8614 \pbs 20084, 20102 \pdfencryptsetup 4163, 4164, 4272 \pdflastxpos . 5532, 5560, 5640, 5677 \pdflastypos . 5586, 5614, 5643, 5680 \pdfm@box ... 17869, 17877, 17886, 17894 \pdfsavepos .. 5542, 5544, 5567, 5569, 5596, 5598, 5621, 5623, 5653, 5655, 5687, 5689 \pdfstringdefDisableCommands 3674 17793 \penalty .. 779, 1031, 1281, 8956, 9278, 9345, 9455, 9522,	23, 17939 586, 11332 2617, 8525, 19341, 19343, 20020, 20040 8767, 8768, 8769, 8770, 8771, 8791, 8792, 8793, 8794, 8795 7784, 8614 20084, 20102 4163, 4164, 4272 5532, 5560, 5640, 5677 5586, 5614, 5643, 5680 17869, 17877, 17886, 17894 5542, 5544, 5567, 5569, 5596, 5598, 5621, 5623, 5653, 5655, 5687, 5689 3674 17793 779, 1031, 1281, 8956, 9278, 9345, 9455, 9522,	\pgfpathclose 2936, 2952 \pgfpathcurveto 1894, 2928, 2932, 2944, 2948 \pgfpathlineto 1893, 1900, 1901, 2927, 2943 \pgfpathqcurveto 1892, 2925, 2926, 2941, 2942 \pgfpathqlineto 2700, 2701, 2720, 2721, 2723, 2724, 2743, 2744 \pgfpathqmoveto 1891, 2699, 2719, 2722, 2742, 2924, 2940 \pgfpathrectangle 1914, 2507, 2520, 3716, 3722, 3757, 3815, 3841, 3909 \pgfpic 20221 \pgfpicture 20162 \pgfpictureid 20167, 20178 \pgfpicturetrue ... zefalse 1922, 20165 \pgfpoint 1589, 1893, \pgf@relevantforpicturesizefalse 1895, 1896, 1897, 20173 1900, 1901, 1914, \pgf@remember@layerlist@globally 1916, 2507, 2513, 20207 2520, 2526, 2697, \pgf@resetpathsizes 2717, 2740, 2927, 20174 2929, 2930, 2931, \pgf@restore@layerlist@fromglobally 2933, 2934, 2935, 20211 2943, 2945, 2946, \pgf@shift@baseline 2947, 2949, 2950, 20191 2951, 3296, 3303, \pgf@trimleft ... 20193 3716, 3722, 3757, \pgf@trimleft@final 3815, 3841, 3909 20195, 20196, 20198 \pgf@trimright .. 20200 \pgf@trimright@final 20202, 20203, 20205 20202, 20203, 20205 \pgf@x 20194, 20198, 20201, 20205 \pgf@y 20191 \pgfdeclarehorizontalshading 3753, 3755, 3814, 3840, 3908 \pgfdefobject 2697, 2717, 2740 \pgfmathsetmacro . 3375 \pgfpathcircle ... 1589



<code>\pgfsys@endpicture</code>	<code>\plainfootnotes</code> . 11896	<code>\poemskip</code>
..... 20217	<code>\plainpublisher</code> . . .	.. 8931, 9031, 9062
<code>\pgfsys@endscope</code> 20216	.. 8637, 8702, 8703	<code>\postbibhook</code> . . . 19434
<code>\pgfsys@markposition</code>	<code>\plaintitle</code> . . 7592,	<code>\postCutedStrip</code> . 10523
..... 20178	7593, 8634, 8635,	<code>\postdisplaypenalty</code>
<code>\pgfsys@shadingoutsidepgfpicture</code> 8658,	8659,	.... 15766, 15780
..... 20226	8662, 8830, 8832	<code>\postmath</code> 9844
<code>\pgfsys@typesetpicturebox</code>	<code>\plitemsep</code> 8523	<code>\PotEndMark</code>
..... 20221	<code>\plparsep</code> 8522	11141, 11146, 11149
<code>\pgftext</code> 1591,	<code>\plpartopsep</code> 8525	<code>\preCutedStrip</code>
1767, 1768, 1916,	<code>\pLRE</code> 4105,	.... 10499, 10511
2445, 2446, 2506,	4106, 4392, 4393	<code>\predisplaydirection</code>
2514, 2519, 2527,	<code>\PLS@Rotate</code> . . . . .	..... 20454,
3297, 3304, 3724	20106, 20108, 20110	20455, 26833, 26834
<code>\pgftransformrotate</code>	<code>\pltopsep</code> 8524	<code>\predisplaypenalty</code>
..... 3295, 3302	<code>\poem@finish</code> . . . . .	.... 15765, 15779
<code>\pgftransformscale</code>	.. 9067, 9117, 9124	<code>\premath</code> 9840
..... 2510, 2523	<code>\poem@line</code>	<code>\prepare@bidi@copyins</code>
<code>\pgftransformshift</code>	.. 8994, 9000, 9051	..... 16543,
... 1916, 2513,	<code>\poem@linebegin</code> . . .	16576, 16625, 16783
2526, 3296, 3303	..... 8951, 9009	<code>\preparefootins</code> . . .
<code>\pgfuseobject</code> . 2708,	<code>\poem@lineend</code> 8952, 9015	.... 16575, 16624
2712, 2731,	<code>\poem@lineparsebegin</code>	<code>\PrependToTokenList</code>
2735, 2751, 2755	.. 8963, 9020, 9047	..... 6474
<code>\pgfusepath</code>	<code>\poem@lineparseend</code>	<code>\prepnext@tok</code> . 1435,
... 1590, 1902,	.. 8989, 9001, 9058	1445, 1493,
1915, 2508, 2521,	<code>\poem@lineversesep</code>	1525, 9918, 9946
3718, 3723, 3759,	..... 8953, 9012	<code>\presetkeys</code> 25847
3817, 3843, 3911	<code>\poem@needrun</code> . 8945,	<code>\prevdepth</code> 7453, 7461,
<code>\pgfusepathqfill</code> . .	9064, 9119, 9121	10418, 10867,
..... 2702,	<code>\poem@obeylines</code> 9046,	10921, 19346, 19737
2725, 2745, 2937	9115, 9155, 9179	<code>\pRLE</code> 4107,
<code>\pgfusepathqstroke</code> 2953	<code>\poem@prop</code> . . 9027, 9129	4108, 4394, 4395
<code>\pgfuseshading</code>	<code>\poem@startedfalse</code>	<code>\process@cols</code> 19713,
... 1916, 3681,	.. 9044, 9153, 9159	19746, 19760, 19766
3683, 3747, 3790,	<code>\poem@startedtrue</code> .	<code>\ProcessOptions</code> 4917,
3835, 3886, 3993	... 9002, 9003,	7249, 8340,
<code>\pgfutil@gobble</code> . 20168	9043, 9145, 9147,	8599, 8631, 8772,
<code>\pgfutil@ifnextchar</code>	9152, 9160, 9162	8796, 10594, 10692
..... 20175	<code>\poem@verse</code>	<code>\ProcessOptionsX</code> . 4270
<code>\phantom</code> . . 18889, 19735	.. 8940, 9010, 9013	<code>\protect</code> 411,
<code>\phantomsection</code> . . 5045	<code>\poem@width</code> . . 8943,	4105, 4106, 4107,
<code>\phone</code> 5005	8944, 8948, 9025,	4108, 4335, 4392,
<code>\phonesymbol</code>	9027, 9030, 9063	4393, 4394, 4395,
4965, 10671, 10769	<code>\poem@write@aux</code> . . .	4697, 4703, 4709,
<code>\photo</code> 5010	.. 9066, 9118, 9130	4715, 4724, 4730,
<code>\picbox</code> 20346	<code>\poemblocksep</code>	5795, 5796, 6432,
<code>\picinwindow</code> . . . 10131	.. 8937, 9041, 9141	6438, 7139, 7552,
<code>\picwd</code> 20234,	<code>\poemcolsepskip</code> . . .	15855, 16269,
20237, 20345, 20347	..... 8928, 8957	16283, 18134,
<code>\place@tag</code> 338, 339, 341	<code>\poemextrabaselineskip</code>	18139, 18496,
<code>\plainauthor</code> . 7591,	.. 8930, 9018, 9053	19420, 24075,
8634, 8636,	<code>\poemmarginskip</code> . . .	24076, 24080,
8675, 8676, 8679	.. 8929, 8951, 8952	



24088, 24357, 24702, 26027, 26737	13709, 13725, 13740, 13752, 13767, 13807, 13836, 13849, 13863, 13876, 13890, 13978, 14008, 14024, 14039, 14051, 14066, 14106, 14135, 14148, 14162, 14175, 14189, 14277, 14307, 14323, 14338, 14350, 14365, 14405, 14434, 14447, 14461, 14474, 14488, 14576, 14606, 14622, 14637, 14649, 14664, 14704, 14733, 14746, 14760, 14773, 14787, 15072, 15103, 15121, 15137, 15151, 15167, 15206, 15236, 15250, 15265, 15279, 15294, 16137, 16154, 16170, 16199, 16214, 16229	8120, 8529, 10655, 10660, 15988, 25391, 25395, 25400, 25404, 25429, 25433, 25438, 25442
\protected ... 4392, 4394, 5519, 5520, 5521, 5522, 5743, 5751, 5753, 5759, 5945, 5961, 5977, 6000, 6002, 6055, 6110, 6125, 20370, 20380, 20390, 20398, 25935, 26044, 26054, 26064, 26073	\protected@write 4231, 4235, 7119, 7130	\ProvidesClass 4884, 8766, 8790
\protected@edef . 43, 57, 73, 246, 260, 275, 2248, 2265, 2282, 2298, 2314, 2330, 8151, 8169, 8187, 11749, 11765, 11780, 11796, 11811, 11824, 11837, 11849, 11861, 11874, 12196, 12226, 12242, 12257, 12269, 12284, 12324, 12353, 12366, 12380, 12393, 12407, 12495, 12524, 12539, 12553, 12564, 12578, 12617, 12645, 12657, 12670, 12682, 12695, 12782, 12812, 12828, 12843, 12855, 12870, 12910, 12939, 12952, 12966, 12979, 12993, 13081, 13111, 13127, 13142, 13154, 13169, 13209, 13238, 13251, 13265, 13278, 13292, 13380, 13410, 13426, 13441, 13453, 13468, 13508, 13537, 13550, 13564, 13577, 13591, 13679,	\protected@xdef 2359, 2385, 2411, 8214, 8243, 8272, 8655, 8672, 8688, 8699, 16102, 16111, 16268, 16273, 16282, 16288, 17437, 17475, 17508, 17539, 17570, 17633	\ProvidesExplPackage 18696
	\providecommand 4962, 4963, 4964, 4965, 4966, 4967, 4978, 4979, 4980, 4981, 4982, 4983, 4984, 4985, 4986, 4987, 4988, 4989, 4990, 4991, 4992, 4993, 5202, 8112, 8119,	\ProvidesFile 1, 131, 165, 196, 326, 344, 349, 351, 435, 633, 882, 1134, 1394, 1529, 1547, 1842, 1938, 2022, 2026, 2424, 2547, 2633, 2644, 2761, 2765, 2964, 2967, 3034, 3129, 3254, 3258, 3263, 3353, 3425, 3479, 3502, 3530, 3650, 3673, 3740, 3828, 3923, 3982, 3992, 9207, 9384, 9561, 9594, 9807, 9862, 9904, 9906, 9909, 9947, 9990, 10005, 10101, 10139, 10783, 10948, 11067, 11070, 11131, 11293, 11466, 11640, 11673, 15464, 15640, 15669, 15683, 15760, 15790, 15799, 15804, 15954, 16297, 16364, 16541, 16784, 16911, 16953, 17254, 17898, 17984, 17988, 18010, 18063, 18167, 18457, 18583, 18613, 18621, 19278, 19435, 19673, 19711, 19866, 19933, 19961, 19999, 20007, 20028, 20048,



23643, 26302, 26304, 26306, 26307	7950, 8509, 20572	18735, 18738, 18739, 18775, 18780, 18782, 18826, 18827, 18839
\RaggedLeftLeftskip 20555	\RaggedRightRightskip 8506, 20569	\reinsert@footnotes 15458
\RaggedLeftParfillskip 20558	\raggedsection 22037, 22777, 23550	\relax 2, 8, 10, 12, 14, 28, 85, 103, 132, 166, 197, 203, 205, 207, 209, 223, 232, 288, 301, 319, 411, 439, 440, 441, 462, 463, 464, 465, 470, 471, 472, 473, 497, 498, 499, 500, 501, 506, 507, 508, 509, 533, 630, 645, 652, 682, 688, 706, 759, 766, 767, 768, 772, 781, 790, 807, 808, 813, 814, 815, 816, 819, 822, 826, 851, 852, 853, 858, 859, 860, 861, 894, 910, 932, 950, 959, 993, 1018, 1019, 1020, 1024, 1033, 1042, 1059, 1060, 1065, 1066, 1067, 1068, 1071, 1074, 1078, 1103, 1104, 1105, 1110, 1111, 1112, 1113, 1146, 1153, 1165, 1171, 1189, 1239, 1268, 1269, 1270, 1274, 1283, 1292, 1309, 1310, 1315, 1316, 1317, 1318, 1321, 1324, 1328, 1353, 1354, 1355, 1360, 1361, 1362, 1363, 1450, 1451, 1468, 1469, 1470, 1844, 2015, 2364, 2390, 2416, 2428, 2435, 2469, 2471, 2472, 2478, 2480, 2482,
\RaggedLeftParindent 20559	\raise 1743, 1748, 1782, 1877, 2181, 2663, 2807, 2808, 2809, 3319, 3327, 3335, 3950, 3969, 15663, 17936	
\RaggedLeftRightskip 20556	\raisebox 7504, 7509, 7520, 7521, 7524, 7525, 11139, 11144, 11160, 11163, 11279, 17076, 17078, 17082, 17084, 17111, 17112, 17115, 17116, 17173, 17174, 17177, 17178, 17206, 17208, 17212, 17214	
\raggedpart 22038	\rangle 4606	
\RaggedRight 20563, 20601, 20616, 20621, 20633, 20635, 23964, 23965, 26950, 26954, 26960, 26964	\ratio 3168, 3483	
\raggedright ... 25, 104, 224, 582, 594, 595, 1534, 1542, 1803, 1812, 1821, 2830, 3002, 3245, 9564, 9584, 9759, 9773, 11328, 11341, 11591, 11606, 11643, 11646, 11651, 11659, 15497, 15509, 15673, 15678, 17921, 17941, 17991, 17994, 17999, 19317, 19318, 20523, 20525, 20531, 21514, 21526, 22037, 22038, 22113, 22114, 22115, 22117, 22777, 22874, 22875, 22876, 22878, 23550, 23639, 23640, 23641, 23643, 25037, 25040, 25044, 25155, 26298, 26303, 26305, 26306, 26307	\rawtext 20241, 20247, 20269, 20270, 20351, 20355	
\RaggedRightLeftskip 20568	\rbrace ... 26156, 26165	
\RaggedRightParfillskip 20571	\rcb 4607, 4610, 4611, 4615	
\RaggedRightParindent 7279,	\rcol@footinsskip 16556, 16605	
	\realfootnote ... 17630	
	\recomputelengths 5023, 5040	
	\recomputethemelengths 5022, 5038, 10744, 10749	
	\reflectbox 16845	
	\refname 598, 599, 733, 734, 996, 997, 1246, 1247, 5109, 8564, 11349, 11350	
	\refstepcounter 577, 11323, 15781, 16302, 16308, 17807, 18122, 18128, 18459, 19411, 20017, 20038, 22124, 22885, 23650, 24354	
	\regex 18724, 18729, 18732,	



2483, 2495, 2511,	9524, 9533, 9550,	12295,	12443,
2512, 2524, 2525,	9551, 9556, 9557,	12447,	12468,
2569, 2649, 2652,	9558, 9559, 9607,	12472,	12588,
2654, 2655, 2656,	9614, 9615, 9616,	12730,	12734,
2867, 2882, 2897,	9637, 9638, 9639,	12755,	12759,
3200, 3202, 3206,	9640, 9645, 9646,	12881,	13029,
3208, 3277, 3317,	9647, 9648, 9672,	13033,	13054,
3326, 3334, 4168,	9673, 9674, 9675,	13058,	13180,
4174, 4180, 4186,	9676, 9681, 9682,	13328,	13332,
4192, 4198, 4210,	9683, 9684, 9708,	13353,	13357,
4216, 4222, 4229,	9850, 9864, 9865,	13479,	13627,
4238, 4239, 4243,	9866, 9871, 9872,	13631,	13652,
4250, 4260, 4335,	9873, 9874, 9877,	13656,	13778,
4368, 4500, 4501,	9881, 9882, 9883,	13926,	13930,
4502, 4507, 4508,	9884, 9885, 9886,	13951,	13955,
4509, 4510, 4780,	9986, 10004,	14077,	14225,
4788, 4796, 4847,	10154, 10217,	14229,	14250,
4917, 5176, 5181,	10348, 10350,	14254,	14376,
5187, 5202, 5423,	10385, 10411,	14524,	14528,
5426, 5436, 5454,	10441, 10594,	14549,	14553,
5514, 5716, 5720,	10692, 10784,	14675,	14831,
5730, 5737, 5750,	10785, 10786,	14844,	14846,
5934, 5938, 6272,	10787, 10788,	14861,	14868,
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20557, 20568,	26082, 26083, 21558, 21601
20570, 20579,	26299, 26324,	\rotate 21654
20581, 20655,	26325, 26384, 26389	\rotatebox .. 15950,
20668, 20679,	\RL . 17797, 20415, 26109	16979, 17028,
20680, 20685,	\rlap .. 306, 479, 833,	17241, 18584,
20696, 20719,	1335, 1569, 4492,	18586, 18588,
20722, 20723,	9654, 11413,	18708, 18716,
21051, 21052,	11510, 15580,	19238, 21577,
21057, 21068,	16371, 16804,	21586, 21624, 21635
21091, 21094,	16850, 16916,	\rotateframe
21095, 21105,	16917, 16930, 15912, 15949
21118, 21167,	16931, 17986,	\rotFPbot ... 21578,
21283, 21298,	19735, 20444,	21585, 21625, 21634
21301, 21302,	20842, 20983,	\rotFPtop ... 21576,
21307, 21308,	21180, 21223,	21587, 21623, 21636
21468, 21483,	21409, 21832,	\rrb 4609, 4619
21486, 21487,	21953, 22572,	\rsb 4608, 4617
21706, 22445,	22693, 23345,	\RTL 20408, 26094, 26096
23218, 24240,	23466, 24001, 26129	\RTL@column@boxes .
24245, 24256,	\RLE 4107, 4394, 17796,	19759, 19786, 19791
24269, 24273,	20415, 20416,	\RTL@outputdblcol .
24293, 24296,	20420, 25732,	. 10141, 15684,
24301, 24305,	26109, 26110, 26114	16600, 19436,
24306, 24418,	\rmfamily 762,	26443, 26534, 26535
24419, 24420,	1014, 1264, 8349,	\RTLbidituftesidenotemarginpar
24428, 24449,	8402, 8405, 8409,	.. 7880, 8180, 8321
24450, 24451,	8412, 8416, 8419,	\RTLcases . 26166, 26169
24459, 24472,	8423, 8426, 8430,	\RTLcite 8107,
24473, 24474,	8433, 20771, 20908	8227, 8256, 8285,
24482, 24489,	\romannumeral . 6582,	8307, 8316, 8325
24490, 24491,	6583, 9066,	\RTLdblcol 26535
24499, 24506,	9129, 11201,	\RTLdfnmakecol .. 10945
24507, 24508,	11204, 11250,	\RTLfootfootmark ..
24516, 24523,	15907, 15908,	. 11731, 11935,
24524, 24525,	15909, 15910,	12305, 12598,
24533, 24540,	15912, 15913,	12891, 13190,
24541, 24542,	15914, 15915,	13489, 13788,
24550, 24557,	15916, 15919,	14087, 14386,
24558, 24559,	15920, 15921, 26194	14685, 15187, 16350



\RTLfootmarkstyle .	..... 11910, 11949	..... 19784	\SC@FLOAT
\RTLfootnote 444, 518,	2371, 4696, 4709,	\RTLSidenote 8050, 8292	. 23960, 26947,
8296, 8646, 9619,	9693, 11475,	\RTLthanks 444,	26951, 26957,
11549, 16101,	16299, 16307,	464, 499, 518,	26959, 26963, 26965
20917, 21023,	21177, 21265,	8646, 8654,	\SC@justify@caption
21374, 21448,	21829, 22569, 23342	8671, 8687, 8698,	. 23963, 26949,
\RTLfootnotetext ..	..... 4764,	9619, 9639, 9674,	26953, 26958,
4775, 9079,	9089, 16283,	9693, 11475,	26960, 26964, 26966
16286, 17466,	18551, 24161, 24165	11495, 11530,	\sc@wm@text 11069
\RTLfootscript ....	. 11910, 11938,	11549, 16281,	\scalebox 16864
11942, 11944,	16353, 16357, 16359	19283, 20917,	\scantokens . 5933, 5953
\RTLfoottextfont ..	..... 11732,	20957, 21003,	\scr@makesinglelinecaption
11777, 11793,	11860, 11873,	21023, 21177,	. 22148, 22168,
11966, 12267,	12282, 12305,	21207, 21247,	22191, 22909,
12391, 12405,	12562, 12576,	21265, 21374,	22929, 22952,
12598, 12680,	12693, 12853,	21394, 21429,	23674, 23694, 23717
12868, 12891,	12977, 12991,	21448, 21829,	\scr@caption
13152, 13167,	13190, 13276,	22008, 22569,	. 22302, 22304,
13290, 13451,	13466, 13489,	22748, 23342, 23521	22306, 23064,
13575, 13589,	13750, 13765,	\rtside 20289,	23066, 23068,
13788, 13874,	13888, 14049,	20291, 20302,	23829, 23831, 23833
14064, 14087,	14173, 14187,	20304, 20325, 20327	\scr@compatibility
14348, 14363,	14386, 14472,	\rule . 46, 60, 76, 249,	. 21781, 21882,
14486, 14647,	14662, 14685,	263, 278, 2252,	22005, 22521,
14771, 14785,	15149, 15165,	2269, 2286, 2302,	22622, 22745,
15187, 15277, 15292	\RTLmarginnote ... 8318	2318, 2334, 5047,	23294, 23395, 23518
\RTLmarginpar ... 26634	\RTLmulticolcolumns	10649, 11282,	\scr@dte@current ..
		11286, 11289,	.... 25154, 25157
		11726, 11732,	\scr@dte@def@l@targetocline
		11738, 16142,	..... 24865
		16159, 16175,	\scr@dte@def@l@tocline
		16203, 16218,	..... 25115
		16233, 18889, 20495	\scr@dte@def@l@undottedtocline
			..... 24704
		S	\scr@dte@donumwidth
		\s 18738, 18739	.... 25384, 25385
		\save@dir . 20424, 26118	\scr@dte@targetocline@init
		\savebox 11207,	..... 24866
		16976, 16978, 17058	\scr@dte@nosub 25170,
		\saveCaptionSkip 17008	25172, 25202,
		\savecounters@ .. 11190	25203, 25205,
		\saved@dir . 20424,	25210, 25212,
		20425, 26118, 26119	25217, 25218,
		\saved@tempdimb ...	25230, 25235,
		10315, 10398, 10407	25243, 25248,
		\sbox .. 11273, 17010,	25302, 25304, 25455
		17027, 18104,	\scr@dte@numberline@box
		18513, 18707,	.... 25063, 25090
		18715, 18907,	\scr@dte@pagenumberwidth
		19194, 19233,	..... 25101
		19238, 19350,	\scr@dte@tocline ..
		19365, 19397,	.... 24979, 25462
		20050, 24255,	\scr@dte@tocline@init
		24272, 25065, 26823	..... 25116



\scr@dte@tocline@numberwidth	22425, 22432, 23195, 23198, 23205	10701, 10707, 10713, 10719, 10725
..... 25066, 25069, 25071, 25074	\scr@samed@RTLfootnotetext	\selectfont ... 347,
\scr@dte@tocline@numbox	. 21684, 21687, 21697, 22423,	5738, 8712, 8714, 8716, 20063, 20076
25065, 25067, 25081	22426, 22436, 23196, 23199, 23209	\separatorcolumnwidth
\scr@dte@undottedtocline@init	..... 24705	..... 5014,
\scr@endstrut 22230,	\scr@smashdp	5015, 5026, 5032,
22240, 22251,	. 22222, 22253,	5048, 5053, 5059,
22262, 22991,	22256, 22983,	5117, 10747, 10777
23001, 23012,	23014, 23017,	\SepMark .. 26178, 26179
23023, 23756,	23748, 23779, 23782	\seq
23766, 23777, 23788	\scr@trim@spaces 24990	18970, 18971, 20094, 20097
\scr@ifundefinedorrelax	\scr@tso@figure@pagenumberformat	\setcolor ... 9950,
. 22203, 22216,	..... 25466	9955, 9963, 9969,
22964, 22977,	\scr@tso@table@pagenumberformat	9977, 9984,
23729, 23742,	..... 25472	9989, 16378,
24739, 24787,	\scr@v@is@ge	25931, 25935, 26031
24832, 24898,	21701, 22440, 23213	\set@split@topskip@to
24944, 24971,	\scr@v@is@gt .....	.... 10313, 10571
24992, 24997,	.... 22780, 22802	\set@typeset@protect
25053, 25168,	\scr@v@is@le 22795,	..... 15861,
25170, 25199,	22798, 23564, 23567	15865, 24048,
25202, 25203,	\scriptsize .. 1669,	26359, 26745, 26747
25210, 25228,	1778, 3282, 8487	\SetatBoolean 5348
25230, 25241,	\scshape	5736
25243, 25259,	\secshape . 21266, 21307	\setbeamerfont
25299, 25300,	\SectFont	1669, 1778
25302, 25318,	666, 964, 972,	\setbeamerfont
25371, 25398,	1216, 1225, 9286,	.. 2027, 3036, 3616
25417, 25436, 25452	9474, 20660,	\setbeamertemplate
\scr@LT@array 17806,	20669, 21110, 21119	... 2965, 2968,
22299, 22300,	\sectfont	2969, 2971, 2972,
22312, 23061,	\section	3123, 3124, 3125,
23062, 23074,	626, 642, 657,	3130, 3138, 3166,
23826, 23827, 23839	663, 666, 733,	3231, 3237, 3243,
\scr@makemultilinecaption	891, 964, 970,	3249, 3251, 3255,
. 22150, 22155,	972, 996, 1143,	3256, 3259, 3260,
22197, 22911,	1216, 1222, 1225,	3261, 3270, 3476,
22916, 22958,	1246, 5043, 5109,	3480, 3498, 3568,
23676, 23681, 23723	8351, 8373, 8441,	3736, 3824, 3919,
\scr@makesinglelinecaption	8449, 8564, 8567,	3985, 3987, 3998
..... 22152,	8571, 9286, 9474,	\SetBoolean
22160, 22913,	11349, 20660,	5332
22921, 23678, 23686	20666, 20669,	\setboolean .. 7228,
\scr@parindent	21110, 21116, 21119	7229, 7231, 7233,
22414, 23187, 23952	\sectionbib 24341	7238, 7239, 7243,
\scr@samed@footnotetext	\sectionfont . 4983,	7244, 7315, 7319,
..... 21685,	4991, 10640, 10733	7322, 7327, 7329,
21689, 22424,	\sectionstyle 4991, 5049	7333, 7335, 7713,
22428, 23197, 23201	\sectiontitlecolour	8337, 8338, 8339,
\scr@samed@LTRfootnotetext	.. 4974, 10602,	8596, 8597,
. 21683, 21686,	10610, 10617,	8598, 8623, 8624
21693, 22422,	10624, 10631,	\setbox
		1441, 1443, 1444,



1500, 1862, 1868,	11989,	11991,	15244,	15252,
1877, 1922, 1923,	12013,	12015,	15259,	15267,
1954, 1999, 2004,	12124,	12127,	15273,	15281,
2015, 2069, 2071,	12134,	12209,	15288,	15296,
2073, 2075, 2080,	12251,	12278,	15306,	15317,
2091, 2106, 2111,	12307,	12336,	15333,	15342,
2120, 2135, 2173,	12360,	12374,	15361,	15369,
2175, 2177, 2179,	12387,	12401,	15384,	15400,
2185, 2239, 2256,	12507,	12547,	15410,	15659,
2273, 2291, 2307,	12572,	12600,	15687,	15690,
2323, 2434, 2454,	12628,	12651,	15703,	15723,
2458, 2497, 2502,	12664,	12676,	15726,	15740,
2532, 2541, 2909,	12689,	12795,	15791,	15831,
2912, 3314, 3323,	12837,	12864,	15836,	16192,
3331, 3700, 3948,	12893,	12922,	16207,	16222,
3967, 4133, 4412,	12946,	12960,	16242,	16433,
4858, 7759, 7815,	12973,	12987,	16442,	16446,
7818, 7859, 7862,	13094,	13136,	16470,	16484,
7903, 7906, 8965,	13163,	13192,	16554,	16561,
8976, 9182, 9196,	13221,	13245,	16562,	16578,
9822, 9849, 9854,	13259,	13272,	16603,	16610,
9886, 9921, 9950,	13286,	13393,	16611,	16627,
10105, 10106,	13435,	13462,	16678,	16690,
10110, 10113,	13491,	13520,	16724,	16726,
10123, 10127,	13544,	13558,	16737,	16762,
10130, 10134,	13571,	13585,	16787,	16796,
10144, 10147,	13692,	13734,	16803,	16804,
10148, 10162,	13761,	13790,	16849,	16850,
10179, 10195,	13819,	13843,	18492,	18501,
10207, 10210,	13857,	13870,	18560,	18565,
10211, 10225,	13884,	13991,	18568,	18577,
10238, 10254,	14033,	14060,	18627,	18659,
10279, 10280,	14089,	14118,	18665,	19439,
10284, 10316,	14142,	14156,	19442,	19443,
10317, 10319,	14169,	14183,	19465,	19470,
10320, 10323,	14290,	14332,	19480,	19498,
10324, 10352,	14359,	14388,	19503,	19539,
10358, 10361,	14417,	14441,	19542,	19543,
10369, 10407,	14455,	14468,	19565,	19570,
10408, 10438,	14482,	14589,	19580,	19598,
10458, 10495,	14631,	14658,	19603,	19634,
10506, 10519,	14687,	14716,	19715,	19731,
10569, 10793,	14740,	14754,	20233,	20247,
10801, 10802,	14767,	14781,	20250,	20269,
10806, 10814,	14816,	14817,	20270,	20276,
10822, 10823,	14824,	14834,	20277,	20288,
10827, 10842,	14837,	14839,	20290,	20292,
10845, 10850,	14841,	15074,	20294,	20297,
10854, 10862,	15086,	15105,	20299,	20301,
10899, 10902,	15123,	15131,	20303,	20313,
10907, 10911,	15139,	15153,	20315,	20324,
10916, 11818,	15161,	15169,	20326,	20341,
11831, 11843,	15189,	15208,	20343,	20351,
11855, 11868,	15219,	15238,	20353,	20362,



20443, 20444,	\setdefaultbibitems	10736, 10740,
20474, 20492,	..... 26183	10742, 10745,
21646, 21656,	\setdefaultmarginpar	11153, 11298,
21667, 21674,	..... 26724	11313, 11951,
23989, 24037,	\setDefaults ... 16965	11954, 11968,
24078, 24128,	\setfloatalignment 7387	15470, 15484,
24198, 25636,	\setfootnoteLR .. 16123	16240, 16781,
25639, 25644,	\setfootnoteRL .. 16121	16889, 16890,
25648, 25652,	\setkeys . 1846, 1847,	16896, 16897,
25656, 25660,	1941, 1946, 1948,	16899, 16900,
25664, 25668,	1950, 2029, 2195,	16969, 16970,
25672, 25923,	2219, 2220, 2354,	16982, 16986,
25931, 26036,	2380, 2406, 2431,	16988, 16990,
26088, 26098,	4163, 9813, 9830,	16994, 16996,
26128, 26129,	11171, 11177,	18544, 20055,
26321, 26347,	11179, 16795,	20695, 20717,
26446, 26449,	16839, 16967,	21067, 21089,
26450, 26464,	20056, 20120,	21296, 21466,
26493, 26496,	21565, 21610, 25816	21481, 21733,
26497, 26511,	\setlatin 4069	22472, 23245,
26540, 26542,	\setlength 536,	24244, 24245,
26556, 26558,	553, 692, 716,	24293, 24294,
26569, 26613,	918, 936, 973,	24296, 24666,
26616, 26657,	974, 975, 976,	24670, 24671,
26660, 26688,	977, 1175, 1200,	24673, 24674,
26702, 26720, 26786	3167, 3182, 3227,	24676, 24677,
\setcaptionfont .. 7307	3482, 4683, 4684,	24679, 24680,
\setchapterpreamble	4685, 4887, 4888,	24682, 24683,
.... 22814, 23579	4890, 4891, 4893,	24843, 24955,
\setcitationfont . 7942	4894, 4896, 4897,	25382, 26247, 26250
\setcounter ... 461,	4899, 4900, 4902,	\setLR 20450, 26147
496, 774, 806,	4903, 4905, 4906,	\setLTR 20411,
850, 1026, 1058,	4907, 4912, 4913,	20412, 20425,
1102, 1276, 1308,	4951, 4952, 4954,	20450, 20451,
1352, 4499, 8015,	4955, 4956, 4957,	26105, 26106,
8034, 8053, 8085,	5015, 5024, 5025,	26119, 26147, 26148
8335, 8847, 9125,	5028, 5030, 5033,	\setLTRbibitems . 26182
9340, 9372, 9517,	5034, 5036, 5039,	\setLTRcitationfont
9549, 9636,	5105, 5115, 5116,	..... 7943
9671, 11397,	5117, 7252, 7279,	\setLTRmarginnotefont
11430, 11492,	7280, 7281, 7282,	..... 7940
11527, 15564,	7303, 7309, 7310,	\setLTRmarginpar 26723
15597, 15891,	7343, 7346, 7350,	\setLTRsidenotefont
19311, 20015,	7396, 7448, 7449,	..... 7937
20036, 20783,	7950, 7951, 7952,	\setLTRtable 4075
20815, 20859,	7953, 7959, 8201,	\setmarginnotefont 7939
20922, 20954,	8494, 8495, 8496,	\setnonlatin 4070
21000, 21204,	8497, 8498, 8499,	\setparsizes
21244, 21391,	8500, 8501, 8503,	21848, 22588, 23361
21426, 21791,	8504, 8506, 8509,	\setRL 20449, 26146
22004, 22077,	8510, 8511, 8512,	\setRTL 20410, 20413,
22531, 22744,	8729, 8730, 9248,	20425, 20449,
22838, 23304,	9270, 9425, 9447,	25758, 25798,
23517, 23603, 24642	9711, 9726, 9997,	25832, 26104,



26107, 26119, 26146	\sh@wgridYunit .. 20463	\slideentry 2645
\setRTLbibitems . 26181	\shadowbox 11267	\sloppy 42, 56, 72, 92,
\setRTLCitationfont	\shadowsize . 11277,	245, 259, 274,
..... 7944	11281, 11282,	295, 610, 745,
\setRTLmain 4384	11285, 11286, 11289	1008, 1258, 2623,
\setRTLmarginnotefont	\shipout 15861,	5124, 9302, 9490,
..... 7941	16701, 16711, 26744	9799, 11361,
\setRTLmarginpar 26722	\shortauthors	11632, 15536,
\setRTLsidenotefont	. 115, 116, 121,	16539, 17908,
..... 7938	17968, 17969, 17974	18644, 19947,
\setRTLtable 4074	\shortcite 19950	20605, 20754,
\setsidenotefont . 7936	\shorttitle	21148, 21342,
\setSingleSpace ...	. 114, 115, 121,	21545, 22086,
.... 11897, 11902	17967, 17968, 17974	22847, 23612, 24331
\setspace@singlespace	\showbox 16507	\slshape .. 683, 911,
.. 8146, 8164, 8182	\showgridps ... 20462	1166, 5071, 9239,
\setthesection .. 19328	\showoutput 16507	9416, 10638,
\settodepth 20051	\sidebarheight 2083,	10639, 10729,
\settoheight	2091, 2101,	10730, 10732,
.... 11150, 20052	2114, 2120, 2130	20686, 21058, 21272
\settowidth 89,	\sidecaptionsep ...	\small 438, 666,
292, 603, 738,	..... 23961,	765, 972, 1017,
1001, 1251, 2613,	23962, 26948,	1225, 1267, 4525,
3360, 3364, 3367,	26952, 26957,	4985, 5075, 5080,
5019, 9295, 9483,	26959, 26963, 26965	5110, 8476, 8477,
9792, 10738,	\sidenote 8012, 8066,	8542, 8550, 8555,
11195, 11354,	8104, 8199, 8290	8574, 9331, 9508,
11625, 15529,	\sidenotes 8109	9613, 11376,
17905, 20054,	\sideways 21672	11469, 15543,
20747, 21141,	\SixColumnFootnotes	20669, 20774,
21335, 21538,	..... 13345	20911, 21119,
22070, 22148,	\sixcolumnfootnotes	21171, 21368,
22831, 22909,	..... 13320	21823, 22563, 23336
23596, 23674,	\sist@on 4825, 4847	\smallcaps
24324, 25601, 25603	\size@chapter ... 20525	.. 8830, 8831, 8832
\Setversedim	\skip 4112, 4399, 9053,	\smallskip
.. 8860, 8864, 8890	9054, 10847,	. 19869, 19874,
\SetWatermarkText 11068	10904, 11984,	19881, 19890,
\SevenColumnFootnotes	12008, 12091,	19901, 19906,
..... 13644	12108, 12113,	19911, 19918,
\sevendcolumnfootnotes	12119, 12121,	19925, 19932, 20522
..... 13619	14850, 15375,	\smallskipamount ..
\sf@size 17936	15388, 15427,	.. 3096, 3108, 3120
\sfcode 93,	15435, 16258,	\smash 7504,
296, 614, 746,	16544, 16545,	7509, 7520, 7521,
1009, 1259, 2627,	16556, 16558,	7524, 7525,
9303, 9491, 9803,	16605, 16607,	7732, 10796,
11362, 11636,	16661, 16666,	10817, 16371,
15537, 17909,	16729, 16740,	20447, 26133, 26140
19948, 20755,	16747, 16781,	\SOUL@apo 23983
21149, 21346,	19848, 20431,	\SOUL@comma 23982
21549, 22087,	20437, 26545,	\SOUL@do 23985
22848, 23613, 24335	26561, 26572, 26580	\SOUL@eventuallyxhyphen
\sh@wgridXunit .. 20463	\skip@ 311, 312	..... 23972



\SOUL@grave	23984	23450, 23457,	13004, 13009,
\SOUL@ignorespacesfalse		23618, 24148,	13010, 13014,
.....	23976	24150, 24207,	13015, 13019,
\SOUL@lasttoken .	23979	25083, 25085,	13020, 13302,
\SOUL@lowerthan .	23969	25720, 26411, 26693	13303, 13308,
\SOUL@minus	23981	\spacefactor . 8125,	13309, 13313,
\SOUL@postamble .	23986	8130, 8136, 8139	13314, 13318,
\SOUL@preamble ..	23978	\spaceskip 24016, 24021	13319, 13601,
\SOUL@soeventuallyskip		\special 4134,	13602, 13607,
.....	23973	4308, 4317, 4413,	13608, 13612,
\SOUL@spaceskip .	23974	4439, 4488,	13613, 13617,
\SOUL@start	23967	20444, 20502,	13618, 13900,
\SOUL@ulcolor	23998,	20504, 20507,	13901, 13906,
24004, 24010, 24018		20509, 20513,	13907, 13911,
\SOUL@uldp	24010	20515, 24204,	13912, 13916,
\SOUL@uleveryspace		24205, 24209,	13917, 14199,
.....	24012	24210, 24212, 26129	14200, 14205,
\SOUL@ulht	24010	\spinemargin 11081,	14206, 14210,
\SOUL@ulleaders . . .		11083, 11087, 11091	14211, 14215,
23998, 24004, 24020		\split@prev	14216, 14498,
\SOUL@uloverlap .	23991	16080, 16088, 16093	14499, 14504,
\SOUL@ulunderline	23988	\splitbotmark . . . 16444	14505, 14509,
\SOUL@word	23980	\splitfirstmark . . .	14510, 14514,
\soulomit	23971	. 10151, 10214,	14515, 14797,
\space	4007,	15693, 15729,	14798, 14803,
4022, 4086, 4089,		16443, 16565,	14804, 14808,
4092, 4350, 4429,		16614, 19446,	14809, 14813,
4432, 4435, 5919,		19546, 26453, 26500	14814, 16134,
6065, 6179, 6193,		\SplitFootnoteRule	16151, 16167,
6207, 6217, 6900,		..... 4205, 16079	16438, 16439, 20243
7087, 7089, 7100,		\splitfootnoterule	\stepcounter
7102, 7105, 7568,		..... 16083, 16091	. . . 2358, 2384,
7573, 7574, 7707,		\splitmaxdepth . . 40,	2410, 6235, 6241,
7708, 9567,		54, 70, 243,	6249, 6255, 8023,
9762, 10333,		257, 272, 10145,	8042, 8061, 8093,
10335, 10357,		10208, 11973,	8213, 8242, 8271,
10359, 11594,		15688, 15724,	9023, 15890,
15499, 16407,		16135, 16152,	15961, 16031,
16415, 16416,		16168, 16559,	16101, 16110,
16440, 16448,		16608, 19440,	17632, 18459,
19015, 19721,		19540, 26447, 26494	20010, 20014,
19723, 19724,		\splittopskip	20031, 20035,
19725, 19726,		..... 40, 54, 70,	21556, 21599,
20470, 21516,		243, 257, 272,	22123, 22124,
21559, 21602,		11972, 12125,	22884, 22885,
21729, 21902,		12128, 12417,	23649, 23650, 26816
21909, 21931,		12418, 12423,	\stopbreaks 11655
21937, 21944,		12424, 12428,	\str . . 18727, 18778,
22092, 22468,		12429, 12433,	18850, 18868,
22642, 22649,		12434, 12704,	18930, 18954,
22671, 22677,		12705, 12710,	18959, 19033,
22684, 22853,		12711, 12715,	19064, 19077,
23241, 23415,		12716, 12720,	19099, 19153, 19185
23422, 23444,		12721, 13003,	\stretch 1502,



1505, 9923, 9926	22970, 22971,	22192, 22221,
<code>\string</code> ... 359, 596,	23241, 23415,	22233, 22244,
1412, 4232, 4236,	23416, 23422,	22253, 22953,
5167, 5203, 5209,	23423, 23444,	22982, 22994,
5281, 5283, 5301,	23450, 23451,	23005, 23014,
5302, 5305, 5306,	23457, 23458,	23718, 23747,
5316, 5317, 5320,	23618, 23620,	23759, 23770,
5321, 5324, 5325,	23626, 23658,	23779, 24255, 24260
5328, 5329, 5512,	23659, 23667,	<code>\strutbox</code> 40,
5532, 5560, 5586,	23668, 23731,	54, 70, 243, 257,
5614, 5640, 5643,	23732, 23735,	272, 389, 393,
5677, 5680, 5764,	23736, 24174,	2252, 2269, 2286,
5765, 5771, 5919,	25719, 25976,	2302, 2318, 2334,
5949, 5970, 5973,	26023, 26411, 26431	10414, 11727,
6000, 6002, 6065,	<code>\strip@prefix</code> 5970, 5983	11733, 11739,
6138, 6185, 6186,	<code>\strip@pt</code> 2488, 5423,	11973, 12417,
6199, 6200, 6211,	5737, 11017,	12423, 12428,
6212, 6223, 6224,	11020, 11025,	12433, 12704,
6255, 6269, 6270,	11028, 14888,	12710, 12715,
6271, 6272, 6276,	14941, 14993, 15044	12720, 13003,
6900, 6909, 6913,	<code>\stripsep</code>	13009, 13014,
6919, 6930, 7087,	. 10196, 10255,	13019, 13302,
7089, 7100, 7102,	10271, 10278,	13308, 13313,
7103, 7104, 7105,	10498, 10510,	13318, 13601,
7107, 7707, 7708,	10524, 19474,	13607, 13612,
9959, 9962, 9980,	19476, 19483,	13617, 13900,
9983, 12030,	19574, 19576,	13906, 13911,
15674, 15676,	19583, 19645,	13916, 14199,
15679, 15681,	19648, 19650, 19657	14205, 14210,
16411, 16412,	<code>\strut</code> 46, 60, 76, 249,	14215, 14498,
16413, 16414,	263, 278, 3057,	14504, 14509,
16415, 16537,	3382, 3386, 3392,	14514, 14797,
16871, 16872,	3395, 3404, 3406,	14803, 14808,
20615, 20616,	3411, 3412, 3414,	14813, 14895,
21729, 21902,	3415, 3557, 3559,	14948, 15000,
21903, 21909,	3704, 3706, 3800,	15051, 16135,
21910, 21931,	3802, 3804, 3895,	16142, 16152,
21937, 21938,	3897, 3899, 4600,	16159, 16168,
21944, 21945,	11663, 12299,	16175, 16203,
22092, 22094,	12302, 12305,	16218, 16233,
22100, 22132,	12592, 12595,	18478, 18494,
22133, 22141,	12598, 12885,	18531, 18660,
22142, 22205,	12888, 12891,	22173, 22175,
22206, 22209,	13184, 13187,	22269, 22271,
22210, 22468,	13190, 13483,	22934, 22936,
22642, 22643,	13486, 13489,	23030, 23032,
22649, 22650,	13782, 13785,	23699, 23701,
22671, 22677,	13788, 14081,	23795, 23797,
22678, 22684,	14084, 14087,	24038, 24039,
22685, 22853,	14380, 14383,	24074, 26348, 26349
22855, 22861,	14386, 14679,	<code>\subfig@oldlabel</code> ..
22893, 22894,	14682, 14685,	..... 7438, 7440
22902, 22903,	15179, 15183,	<code>\subfigure</code> .. 7437, 7444
22966, 22967,	15187, 18658,	<code>\subitem</code> 108,



228, 8585, 17925	\tcn 20248, 20249, 20271, 20272, 20273, 20274	3171, 3173, 3294, 3311, 3313, 3317, 3321, 3326, 3329, 3334, 3337, 3696, 4121, 4127, 4472, 4924, 5015, 5024, 5025, 5037, 5039, 7346, 7350, 7449, 7750, 7751, 8891, 10163, 10171, 10226, 10419, 10459, 10469, 10649, 10664, 10736, 10745, 10859, 11080, 11090, 11096, 11126, 15703, 15709, 15741, 15831, 15836, 16245, 16579, 16628, 16636, 16917, 16920, 16925, 16931, 18632, 19504, 19512, 19604, 19635, 19795, 19830, 19831, 19834, 19835, 19838, 19839, 19843, 19846, 21807, 21817, 21850, 21890, 21894, 22547, 22557, 22590, 22630, 22634, 23320, 23330, 23363, 23403, 23407, 26465, 26473, 26512, 26790, 26806
\subjclass 324	\Telefon 4965	\textwidth@footnoterule 441, 768, 1020, 1270, 9334, 9511, 9616, 11379, 11472, 15546, 16050, 16061, 19845, 20777, 20914, 21174, 21371, 21826, 22566, 23339
\subject 22028, 22768, 23541	\TenColumnFootnotes 14541	\textwidthfootnoterule 4207, 10787, 11715, 16059, 16774, 26843
\subparagraph 8387, 8388, 8391	\tencolumnfootnotes 14516	
\subsection 5050, 8358, 8374	\TeX .. 17798, 20426, 20427, 20448, 26120, 26121, 26134	
\subsectioncolour . .. 4976, 10603, 10611, 10618, 10625, 10632, 10702, 10708, 10714, 10720, 10726	\textbf 5078, 8531, 16384, 16386, 16388, 16390	
\subsectionfont 4984, 4992, 10641, 10734	\textbullet 3249, 4962, 10595, 10659, 10693	
\subsectionstyle 4992, 5051	\textcolor 11266, 11281, 11285, 11288, 16374	
\subsubitem ... 109, 229, 8586, 17926	\textdef@ 345	
\subsubsection 8378, 8379, 8382	\textdir 19193	
\subtable 7444	\textendash 771, 1023, 1086, 1273, 9337, 9514, 20780, 20919	
\supereject 4453	\textheight 4473, 4926, 10179, 10238, 16547, 16969, 21564, 21609, 21809, 21814, 21815, 21816, 22549, 22554, 22555, 22556, 23322, 23327, 23328, 23329, 26815	
\switchlinenumbers 18049, 18051, 18056, 18058	\textit 24702	
\symbol 4613, 4623	\textsf 4149	
\sys 18948	\textsl 7591, 7592, 7593	
T	\textsuperscript 8138, 11947, 11948, 11949, 21765, 22505, 23278	
\t@cb@bchapsec .. 24316	\texttt .. 4623, 4687, 4689, 4690, 6258	
\tabcaption 17018, 17036	\textwidth ... 1830, 1846, 1941, 1998, 1999, 2014, 2015, 2088, 2111, 2118, 2160, 2161, 2162, 2202, 2206, 2210, 2242, 2259, 2276, 2985, 2992, 3009, 3015, 3021, 3168,	
\tabcolsep 380, 1384, 18489, 21036, 26153		
\tablinesep 24071		
\tabskip .. 406, 9033, 18503, 18504, 24044, 24082, 26354		
\tabular 24143		
\tabularnewline 415, 18473, 24046, 26356		
\tabularx 24134		
\tabularxcolumn . 24096		
\tagform@ 336		
\tamark 19294		
\tbl 395, 398, 404, 424, 427		
\tcb@icolorbox . 24232		
\tcb@vbox 24219		
\tcd 20240, 20247, 20248		
\tcdsav 20240		
\tcl 20264, 20265, 20271		



<code>\TeXeTOff</code>	20359, 26034	21446, 21827,	10400, 10401,
<code>\TeXeTOn</code>	... 20358,	22006, 22567,	10402, 10435,
	20360, 26033, 26035	22746, 23340, 23519	10499, 10511,
<code>\TeXeTstate</code>	20358,	<code>\thankses</code>	10523, 11986,
	20359, 26033, 26034		12010, 14899,
<code>\TF@conlab</code>	.....	<code>\the</code>	14952, 15004,
	16367, 16369, 16376		15055, 15325,
<code>\TF@savecolor</code>	.....		15692, 15694,
	.... 16373, 16378		15728, 15730,
<code>\TF@Title</code>	..... 16376		15959, 15974,
<code>\thanklessauthor</code>	..		15975, 15978,
	..... 8639,		15979, 15982,
	8672, 8675, 8712		16035, 16039,
<code>\thanklesspublisher</code>			16093, 16269,
	..... 8640,		16283, 16400,
	8699, 8702, 8716		16407, 16411,
<code>\thanklesstitle</code>	8638,		16412, 16413,
	8655, 8658, 8714		16414, 16415,
<code>\thanks</code>	..... 323,		16416, 16424,
	442, 462, 497,		16430, 16437,
	516, 769, 781,		16438, 16440,
	807, 818, 819,		16445, 16447,
	828, 851, 868,		16448, 16462,
	1021, 1033, 1059,		16488, 16518,
	1070, 1071, 1080,		16519, 16520,
	1103, 1120, 1271,		16525, 16526,
	1283, 1309, 1320,		16527, 16537,
	1321, 1330, 1353,		16564, 16566,
	1371, 4500, 8638,		16613, 16615,
	8639, 8640, 8641,		16841, 16886,
	8644, 8651, 8652,		17419, 17427,
	8668, 8669, 8684,		17428, 17434,
	8685, 8696, 9335,		17436, 17465,
	9347, 9373, 9512,		17466, 17472,
	9524, 9550, 9617,		17474, 17505,
	9637, 9672, 9691,		17507, 17536,
	11380, 11398,		17538, 17567,
	11431, 11448,		17569, 17977,
	11473, 11493,		17978, 18548,
	11528, 11547,		18551, 19143,
	15547, 15565,		19445, 19447,
	15598, 15615,		19458, 19475,
	19281, 20778,		19482, 19488,
	20790, 20816,		19545, 19547,
	20827, 20828,		19558, 19575,
	20837, 20860,		19582, 19588,
	20877, 20915,		19658, 19721,
	20929, 20955,		19723, 19724,
	20968, 20969,		19725, 19726,
	20978, 21001,		19727, 19941,
	21021, 21175,		20119, 20135,
	21205, 21245,		20139, 20142,
	21263, 21372,		20167, 20191,
	21392, 21427,		20198, 20205,



20365, 20366,	15629, 15635,	22796, 23565, 24054
21572, 21582,	15637, 15639,	\theftodir@label .
21591, 21618,	15925, 15927,	. 15959, 15962,
21630, 21640,	15929, 15930,	15991, 15996,
21797, 21798,	15931, 15938,	16014, 16017, 16037
21799, 22077,	15940, 15942,	\thefootnote 478, 773,
22537, 22538,	15943, 15944,	832, 1025, 1084,
22539, 22838,	18163, 19319,	1275, 1334, 4491,
23310, 23311,	19328, 19330,	9339, 9516, 9653,
23312, 23603,	19331, 19332,	11412, 11509,
24067, 24068,	19982, 20528,	15579, 17319,
24098, 24117,	20759, 20765,	20782, 20841,
24119, 24143,	20767, 20769,	20921, 20982,
24148, 24150,	21124, 21130,	21178, 21221,
24151, 24154,	21132, 21134,	21408, 21830,
24155, 24158,	21319, 21321,	21951, 22570,
24161, 24162,	21323, 21324,	22691, 23343, 23464
24165, 24273,	21501, 21503,	\thefootnotemark ..
25011, 25081,	21505, 21506,	21765, 22505, 23278
25084, 25086,	21507, 21516,	\theHchapter ... 19982
25172, 25502,	22781, 22783,	\theHsection
25505, 25506,	22796, 22799,	.... 19990, 19992
25508, 25510,	22803, 22805,	\theindex 98, 218, 17915
25514, 25519,	23553, 23565,	\thelstlisting 18134,
25523, 25534,	23568, 23571, 24357	18139, 18162, 18165
25535, 25538,	\thecontentspage ..	\thempfn 2348,
25544, 25548,	... 8405, 8412,	2374, 2400, 4781,
25556, 25557,	8419, 8426, 8433	4789, 4797, 8214,
25594, 25610,	\thedata 8634, 8642, 8688	8220, 8243, 8249,
25614, 25713,	\theenumiv 86,	8272, 8278, 9094,
25876, 25888,	89, 289, 292,	9101, 9108,
25893, 25914,	609, 744, 1007,	16102, 16107,
25915, 25917,	1257, 2621, 5123,	16111, 16116,
26039, 26040,	9301, 9489, 9798,	16247, 16273,
26194, 26251,	11360, 11631,	16278, 16288,
26417, 26419,	15535, 17902,	16293, 17286,
26431, 26452,	17905, 20753,	17297, 17308,
26454, 26499, 26501	21147, 21341,	17438, 17476,
\the@cornersize ...	21544, 22084,	17509, 17540,
.... 15651, 15652	22845, 23610, 24330	17571, 17633, 18690
\thealgocf 168	\theequation . 9323,	\thempfootnote
\theAlgoLine ... 26889	9500, 9745,	.... 16247, 18690
\theBackrefHyperFootnoteCounter	11577, 15634,	\theorem@indent ...
.... 16303, 16309	15924, 15937,	..... 20024,
\thechapter ... 308,	17987, 19329,	20025, 20044, 20045
8347, 9318, 9324,	20764, 21133,	\theorem@prework 20018
9326, 9328, 9495,	21318, 21500,	\theorem@postskipamount
9501, 9503, 9505,	22801, 23570, 26836	.... 20019, 20039
9567, 9746, 9748,	\thefigure 9325, 9502,	\theorem@preskipamount
9750, 9751, 9752,	9747, 11579,	.... 20022, 20042
9762, 11578,	15636, 15926,	\thepage 4462,
11580, 11582,	15939, 19331,	4467, 5100, 7479,
11583, 11584,	20766, 21129,	7591, 7592, 7593,
11594, 15499,	21320, 21502,	7602, 7603, 8818,



8819, 8830, 8831, 8832, 10536, 10554, 25920, 26693	20763, 21128, 21328, 21511, 22045, 22792, 23561	10019, 10032, 10042, 10055, 10065, 10078, 10088
\theparagraph . . . 21, 22, 216, 217, 573, 574, 730, 731, 984, 985, 1243, 1244, 8368, 9321, 9322, 9498, 9499, 9755, 9756, 11464, 11465, 11587, 11588, 15632, 15633, 15934, 15935, 15947, 15948, 17961, 17962, 19324, 19327, 20762, 20763, 21127, 21128, 21327, 21328, 21510, 21511, 22044, 22046, 22791, 22793, 23560, 23562	\thesubsection . . 19, 20, 214, 215, 571, 572, 728, 729, 982, 983, 1241, 1242, 8361, 9319, 9320, 9496, 9497, 9753, 9754, 11462, 11463, 11585, 11586, 15630, 15631, 15932, 15933, 15945, 15946, 17959, 17960, 19320, 19323, 20760, 20761, 21125, 21126, 21325, 21326, 21508, 21509, 22040, 22042, 22787, 22789, 23556, 23558	\thispagestyle . 101, 113, 221, 494, 629, 644, 848, 893, 1100, 1145, 1350, 8719, 8741, 8762, 9218, 9395, 9606, 9669, 11428, 11525, 11642, 11645, 15595, 17918, 17966, 17990, 17993, 19309, 20647, 20857, 20902, 20998, 21242, 21362, 21424, 22000, 22740, 23513, 24389
\thepart 578, 586, 11324, 11332	\thesubsubsection 20, 21, 215, 216, 572, 573, 729, 730, 983, 984, 1242, 1243, 9320, 9321, 9497, 9498, 9754, 9755, 11463, 11464, 11586, 11587, 15631, 15632, 15933, 15934, 15946, 15947, 17960, 17961, 19322, 19325, 20761, 20762, 21126, 21127, 21326, 21327, 21509, 21510, 22041, 22044, 22788, 22791, 23557, 23560	\thm@topsepadd 20019, 20020, 20023, 20039, 20040, 20043
\ther@tfl@t . 21557, 21558, 21600, 21601	\thetabular 9327, 9504, 9749, 11581, 15638, 15928, 15941, 19332, 20768, 21131, 21322, 21504, 22799, 23568, 24055	\thr@@ 356, 372, 1409, 1427, 1451, 1460, 12705, 12711, 12716, 12721, 23974, 24171, 24191
\thesection 19, 214, 571, 728, 982, 1241, 8354, 9318, 9319, 9495, 9496, 9752, 9753, 11462, 11584, 11585, 15629, 15630, 15931, 15932, 15944, 15945, 17959, 19319, 19321, 19990, 19992, 20759, 20760, 21124, 21125, 21324, 21325, 21507, 21508, 22040, 22779, 22787, 23552, 23556	\thetabular 9327, 9504, 9749, 11581, 15638, 15928, 15941, 19332, 20768, 21131, 21322, 21504, 22799, 23568, 24055	\ThreeColumnFootnotes 12460
\thesubparagraph 22, 217, 574, 731, 985, 1244, 9322, 9499, 9756, 11465, 11588, 15633, 15935, 15948, 17962, 19326,	\thetabular 9327, 9504, 9749, 11581, 15638, 15928, 15941, 19332, 20768, 21131, 21322, 21504, 22799, 23568, 24055	\threecolumnfootnotes 12435
	\thetabular 9327, 9504, 9749, 11581, 15638, 15928, 15941, 19332, 20768, 21131, 21322, 21504, 22799, 23568, 24055	\tiny . . 4539, 8116, 8488
	\thetabular 9327, 9504, 9749, 11581, 15638, 15928, 15941, 19332, 20768, 21131, 21322, 21504, 22799, 23568, 24055	\title . 320, 470, 506, 813, 858, 1065, 1110, 1315, 1360, 4507, 5002, 5041, 8633, 8648, 9379, 9556, 9645, 9681, 11404, 11438, 11501, 11537, 15571, 15605, 20822, 20867, 20963, 21010, 21213, 21254, 21400, 21436, 22025, 22765, 23538
	\thetabular 9327, 9504, 9749, 11581, 15638, 15928, 15941, 19332, 20768, 21131, 21322, 21504, 22799, 23568, 24055	\TitleBarFrame 16365, 16384, 16386, 16388, 16390
	\thetabular 9327, 9504, 9749, 11581, 15638, 15928, 15941, 19332, 20768, 21131, 21322, 21504, 22799, 23568, 24055	\titlecolour 4971, 10696
	\thetabular 9327, 9504, 9749, 11581, 15638, 15928, 15941, 19332, 20768, 21131, 21322, 21504, 22799, 23568, 24055	\titlecontents 8400, 8407, 8414, 8421, 8428
	\TheTokenList 6475	
	\thinline . . 10009,	



\TitleFont	762, 778, 869, 871, 877, 1014, 1030, 1121, 1123, 1129, 1264, 1280, 1372, 1374, 1380, 1383, 1384, 1389, 9344, 9521, 20771, 20787, 20878, 20880, 20886, 20908, 20926, 21024, 21026, 21032, 21035, 21036, 21041	18831, 18832, 18835, 18841, 18842, 18843, 18848, 18850, 18857, 18861, 18866, 18868, 18870, 18872, 18891, 18897, 18898, 18899, 18900, 18901, 18913, 18916, 18919, 18921, 18945, 18946, 18948, 18957, 18960, 18961, 18962, 18963, 18964, 18965, 18967, 18973, 18978, 18981, 18982, 18995, 18997, 18998, 18999, 19000, 19001, 19002, 19003, 19012, 19015, 19019, 19020, 19021, 19024, 19038, 19044, 19057, 19062, 19066, 19087, 19095, 19096, 19121, 19125, 19126, 19127, 19140, 19122, 19123, 19221, 19222, 19223, 19224, 19234, 19235, 19236, 19241, 19246, 19248, 19251, 19252, 19257, 19258, 19263, 19275, 19276	23848, 23861, 23880
\titlefont	..... . 4980, 4988, 10729		\toclevel@subfigure 24592
\titleformat	. 8344, 8351, 8358, 8365		\toclevel@subtable 24612
\titlehead	..... 22027, 22767, 23540		\TOCLineLeaderFill 22338, 22354, 23100, 23117, 23865, 23882, 25132, 25423
\titlepage	.... 655, 962, 1214, 9284, 9472, 20658, 21108		\tocstyle@numberline 25601, 25603, 25621, 25623, 25626, 25628
\titlepage@restore	. 21795, 21801, 21821, 21923, 21950, 22535, 22541, 22561, 22663, 22690, 23308, 23314, 23334, 23436, 23463		\tocstyle@activate@all@1 25714
\titlepagestyle	... 22000, 22740, 23513		\tocstyle@activate@features 25491
\titlespacing	.... .. 8372, 8373, 8374		\tocstyle@dottedtocline 25478
\titlestyle	4988, 10760		\tocstyle@feature@dothook 25577
\tl	... 18710, 18718, 18723, 18725, 18726, 18727, 18728, 18730, 18731, 18733, 18736, 18740, 18749, 18753, 18756, 18761, 18766, 18774, 18776, 18777, 18778, 18779, 18781, 18783, 18785, 18786, 18788, 18794, 18798, 18801, 18802, 18805, 18812, 18817, 18825, 18828, 18829, 18830,	25492, 25495, 25492, 25495, 25575, 25580 25583, 25586 25584, 25586 25563, 25564 25499 25600, 25604, 25625, 25629 25550, 25620 25637, 25640, 25645, 25649, 25653, 25657, 25661, 25665, 25669, 25673, 25705 25693, 25700 25479, 25598 25695	\tocstyle@feature@entryhook 25573 \tocstyle@feature@entryvskip 25492, 25495 \tocstyle@feature@leaders 25575, 25580 \tocstyle@feature@pagenumberbox 25583, 25586 \tocstyle@feature@pagenumberhook 25584, 25586 \tocstyle@feature@parfillskip 25563, 25564 \tocstyle@feature@raggedhook 25499 \tocstyle@feature@spaceafternumber 25600, 25604, 25625, 25629 \tocstyle@indentstyle 25550, 25620 \tocstyle@l@define . 25637, 25640, 25645, 25649, 25653, 25657, 25661, 25665, 25669, 25673, 25705 \tocstyle@macrochangewarning 25693, 25700 \tocstyle@numberline 25479, 25598 \tocstyle@saved@dottedtocline 25695
\tmpcount	... 6665, 6691		
\toaddress	11651, 17999		
\toc@headstar	..... .... 24379, 24384		
\tocbasic@DependOnPenaltyAndTOCLLevel	..... 24982		
\tocbasic@SetPenaltyByTOCLLevel	..... 25110		
\TOCEntryStyleStartInitCode	. 22321, 22334, 22352, 23083, 23096, 23115,		



\tocstyle@saved@numberline	19546, 19547,	\traditionalconnverses
..... 25703	24117, 24137,	.. 8880, 8903, 8919
\tocstyledepth 25490,	24143, 26451,	\traditionalhalfverses
25502, 25514,	26452, 26453,	..... 8869,
25534, 25535,	26454, 26498,	8873, 8880, 8913
25538, 25556,	26499, 26500, 26501	\traditionalpoem . 9115
25557, 25606,	\tolerance	\traditionalpoem@cr
25608, 25610, 25614	. 12295, 12588,	.. 8993, 9042, 9043
\tocstyleTOC	12881, 13180,	\traditionalpoem@obeylines
. 25502, 25505,	13479, 13778,	..... 8923, 9115
25506, 25508,	14077, 14376, 14675	\traditionalpoem@par
25510, 25514,	\toname ... 11651, 17999	.. 8923, 8924, 9042
25515, 25517,	\topheight	\trimb 7975, 7982
25518, 25522,	. 20252, 20254,	\trimc 7984
25526, 25527,	20255, 20256,	\trivlist
25530, 25531,	20258, 20264,	15782, 20021, 20041
25534, 25535,	20266, 20268,	\ttdefault 10635, 10727
25538, 25540,	20269, 20270,	\ttfamily 4525,
25542, 25543,	20333, 20334,	4610, 4611, 4613,
25547, 25552,	20335, 20336,	4614, 4615, 4616,
25553, 25556,	20340, 20341, 20345	4617, 4618, 4619
25557, 25606,	\topins 20428	\ttl@a 24278, 24280
25608, 25609, 25613	\topmargin ... 4477,	\ttl@b 24273,
\today 8642	4925, 11122,	24274, 24278, 24280
\toks 122,	15875, 21804,	\ttl@beginlongest 24248
124, 1494, 1495,	22544, 23317, 26782	\ttl@calc . 24243, 24255
1497, 1498, 7973,	\topmark 10149,	\ttl@changecentercr
7974, 7980, 9919,	10158, 10212,	..... 24247
16443, 16444,	10221, 15691,	\ttl@contentsstretch
16445, 17975, 17977	15700, 15727,	..... 24285
\toks@ 121,	15736, 16563,	\ttl@corr
125, 4132, 4145,	16572, 16612,	24300, 24301, 24304
4411, 4424, 7185,	16621, 19444,	\ttl@endlongest . 24263
7189, 10149,	19453, 19544,	\ttl@filleft
10150, 10151,	19553, 26451,	.... 24237, 24266
10152, 10212,	26460, 26498, 26507	\ttl@filright
10213, 10214,	\topsep 2618,	.... 24238, 24267
10215, 15691,	4665, 4674,	\ttl@glcmds 24250
15692, 15693,	5115, 7272, 8482,	\ttl@hmode@error 24249
15694, 15727,	8524, 19341, 19343	\ttl@leaders ... 24302
15728, 15729,	\topskip 301,	\ttl@lselect
15730, 16563,	4485, 10313,	.... 24309, 24312
16564, 16565,	16449, 16451,	\ttl@makeline
16566, 16612,	16456, 19347,	.... 24243, 24298
16613, 16614,	19638, 24355,	\ttl@margin 24297, 24303
16615, 16838,	24361, 24366,	\ttl@midlongest . 24262
16841, 16875,	24373, 24378, 24383	\ttl@outnoblock . 24276
16877, 16881,	\TOTALHEIGHT	\ttl@savel@chapter
16883, 16886,	.... 24203, 24207	..... 24311
17416, 17419,	\totalheight ... 16868	\ttl@savel@part . 24308
17974, 17978,	\tovalue 6549,	\ttl@hang 24242
19444, 19445,	6636, 6644, 6675,	\turn 21644
19446, 19447,	6688, 6694, 6695	\turnbox 21665
19544, 19545,	\tracingmacros ... 6664	



<code>\tw@</code>	355, 363, 1408, 1416, 1450, 1454, 1459, 4837, 5765, 12418, 12424, 12429, 12434, 15656, 15657, 16442, 16446, 16447, 16461, 16465, 16470, 16473, 16484, 16488, 16489, 16490, 16491, 16494, 16793, 16794, 16804, 16806, 16807, 16809, 16810, 16813, 16815, 16816, 16850, 16852, 16853, 16855, 16856, 16859, 16861, 16862, 19731, 19738, 19739, 19747, 19748, 19753, 19754, 19767, 19768, 19775, 19776, 19799, 19804, 20444, 20445, 21752, 21754, 22492, 22494, 23265, 23267, 23974, 24072, 24170, 24178, 24504, 26129, 26130, 26367, 26371, 26373	24373, 24378, 24383 <code>\TwoColumnFootnotes</code> 12161 <code>\twocolumnfootnotes</code> 12136 <code>\TX@</code> 24094, 24095, 24123, 24124 <code>\TX@align</code> . 24147, 24149 <code>\TX@arith</code> 24109 <code>\TX@ckpt</code> . . 24099, 24145 <code>\TX@col@width</code> 24096, 24102, 24107, 24150 <code>\TX@cols</code> 24103, 24107, 24151 <code>\TX@endtabularx</code> 17405, 17416, 17422, 24092 <code>\TX@find@endtabularxa</code> 24094, 24095 <code>\TX@find@endtabularxb</code> 24124 <code>\TX@find@endtabularxbb</code> 24122 <code>\TX@ftn</code> 24119, 24154, 24156, 24158, 24161, 24163, 24165 <code>\TX@ftntext</code> 24113 <code>\TX@LTRftntext</code> 24114, 24153 <code>\TX@newcol</code> 24096 <code>\TX@old@table</code> . . . 24101 <code>\TX@RTLftntext</code> 24115, 24160 <code>\TX@target</code> 24102, 24116 <code>\TX@trial</code> 24106, 24111, 24127 <code>\TX@trial@ftn</code> 24130, 24131, 24132 <code>\TX@typeout@</code> 24104, 24146 <code>\TX@verb</code> 24097 <code>\TX@vwarn</code> 24133 <code>\TX@xftntext</code> . . . 24113 <code>\TX@xLTRftntext</code> 24114, 24157 <code>\TX@xRTLftntext</code> 24115, 24164 <code>\typeout</code> 4036, 4038, 7475, 7477, 7478, 7479, 7481, 7483, 7484, 7485, 15969, 20484, 25502, 25514,	25534, 25535, 25538, 25556, 25557 U <code>\uc@authornothanks</code> 790, 819, 824, 1042, 1071, 1076, 1292, 1321, 1326, 9356, 9533, 20799, 20828, 20833, 20938, 20969, 20974 <code>\uc@ax</code> 820, 821, 1072, 1073, 1322, 1323, 20829, 20830, 20970, 20971 <code>\uc@nothanks</code> . . 781, 818, 819, 828, 1033, 1070, 1071, 1080, 1283, 1320, 1321, 1330, 9347, 9524, 20790, 20827, 20828, 20837, 20929, 20968, 20969, 20978 <code>\uc@tx</code> 818, 826, 1070, 1078, 1320, 1328, 20827, 20835, 20968, 20976 <code>\uc@ty</code> 827, 828, 1079, 1080, 1329, 1330, 20836, 20837, 20977, 20978 <code>\uncover</code> 2251, 2268, 2285, 2301, 2317, 2333 <code>\undefined</code> 6991, 9067, 9121, 9124, 9126 <code>\underline</code> 26326, 26334 <code>\undertext</code> 26334 <code>\unexpanded</code> . . 5792, 5801, 5802, 5809, 5810, 5823, 5824, 5831, 5832, 5933, 6057, 22131, 22137, 22140, 22146, 22892, 22898, 22901, 22907, 23657, 23663, 23666, 23672 <code>\unhbox</code> 1524, 8948, 9206, 9945, 14818, 14839, 14842,
-----------------------------	--	---	--



15306,	15311,	1476, 1477, 1478,	12802,	12838,
15317,	15322,	2203, 2609, 2630,	12865,	12900,
15333,	15336,	7529, 7532, 7535,	12929,	12947,
15342,	15345,	7538, 8228, 8257,	12961,	12974,
17841,	17846,	8286, 8975, 8986,	12988,	13101,
17874,	17879,	9841, 10147,	13137,	13164,
17891,	17896,	10210, 10283,	13199,	13228,
26258,	26377,	10293, 12087,	13246,	13260,
26378, 26379, 26380		14819, 14820,	13273,	13287,
\unhcopy 17857, 17862,		16256, 16561,	13400,	13436,
23994, 24006, 24082		16610, 18617,	13463,	13498,
\unhskip 6468		18659, 18662,	13527,	13545,
\unitindent . . . 665,		19442, 19542,	13559,	13572,
676, 677, 679,		21649, 21659,	13586,	13699,
753, 759, 903,		21677, 22194,	13735,	13762,
904, 906, 972,		22955, 23720,	13797,	13826,
973, 975, 976,		26449, 26496, 26725	13844,	13858,
988, 993, 1087,		\untilcondition 6550,	13871,	13885,
1159, 1160, 1162,		6564, 6648, 6691	13998,	14034,
1224, 1233, 1239,		\unvbox . . 2244, 2261,	14061,	14096,
9232, 9233, 9235,		2278, 2292, 2308,	14125,	14143,
9310, 9316, 9409,		2324, 2458, 2514,	14157,	14170,
9410, 9412, 9463,		2527, 2534, 9855,	14184,	14297,
9469, 20668,		9856, 10110,	14333,	14360,
20679, 20680,		10113, 10130,	14395,	14424,
20682, 20733,		10134, 10147,	14442,	14456,
20739, 21051,		10197, 10210,	14469,	14483,
21052, 21054,		10256, 10281,	14596,	14632,
21118, 21156, 21162		10296, 10319,	14659,	14694,
\unitlength		10323, 10413,	14723,	14741,
. 10009, 10019,		10442, 10496,	14755,	14768,
10032, 10042,		10507, 10520,	14782,	14816,
10055, 10065,		10570, 10801,	15093,	15132,
10078, 10088, 20055		10804, 10805,	15162,	15196,
\unkern 8137, 10283, 10293		10822, 10825,	15226,	15245,
\unpenalty . . . 9844,		10826, 10851,	15260,	15274,
10283, 10293,		10858, 10863,	15289,	15303,
14821, 14836, 16473		10868, 10908,	15314,	15330,
\unrestored@protected@xdef		10913, 10917,	15339,	15364,
. . . 2365, 2391,		10922, 11819,	15372,	15379,
2417, 4781, 4789,		11832, 11844,	15386,	15392,
4797, 8220, 8249,		11856, 11869,	15430,	16193,
8278, 9094, 9101,		11961, 11992,	16208,	16223,
9108, 16107,		12016, 12094,	16261,	16266,
16116, 16278,		12099, 12135,	16436,	16446,
16293, 17286,		12216, 12252,	16473,	16561,
17297, 17308, 17319		12279, 12314,	16610,	16682,
\unsetfootnoteRL . .		12343, 12361,	16684,	16728,
. . . . 16122, 16123		12375, 12388,	16733,	16739,
\unsetLTR . 20413, 26107		12402, 12514,	16743,	16750,
\unsetRL . . 20451, 26148		12548, 12573,	16766,	18560,
\unsetRTL . 20412, 26106		12607, 12635,	18565,	18574,
\unskip 46, 60, 76, 249,		12652, 12665,	18577,	18665,
263, 278, 336,		12677, 12690,	18683,	19442,



19471, 19473,	3081, 3090, 3092,	<code>\usebox</code> 4650,
19481, 19499,	3102, 3104, 3114,	4660, 7370, 7502,
19501, 19542,	3116, 3151, 3157,	7504, 7509, 7511,
19571, 19573,	3234, 3240, 3246,	7520, 7521, 7524,
19581, 19599,	3283, 3297, 3304,	7525, 7732,
19601, 19656,	3444, 3545, 3557,	11212, 11215,
20290, 20294,	3559, 3580, 3627,	11223, 11230,
20299, 20303,	3634, 3643, 3667,	11238, 11245,
20315, 20326,	3704, 3706,	11288, 16976,
20346, 20349,	3721, 3804, 3899	16980, 17063,
20354, 20428,	<code>\usebeamerfont</code>	17065, 17069,
20429, 20433,	. . . 1562, 1572,	17071, 17076,
20438, 26258,	1573, 1585, 1600,	17078, 17082,
26449, 26496,	1601, 1621, 1642,	17084, 17088,
26544, 26549,	1643, 1651, 1674,	17090, 17094,
26560, 26564,	1695, 1716, 1751,	17096, 17102,
26571, 26576, 26583	1752, 1769, 1787,	17103, 17106,
<code>\unvcopy</code> 10282, 10320,	1788, 1803, 1805,	17107, 17111,
10324, 10352,	1812, 1814, 1821,	17112, 17115,
10358, 10362,	1823, 1835, 2550,	17116, 17119,
10370, 10845, 10902	2560, 2572, 2582,	17120, 17123,
<code>\uppercase</code> 308, 798,	2595, 2671, 2790,	17124, 17138,
818, 1050, 1070,	2791, 2807, 2808,	17139, 17141,
1300, 1320, 9364,	2809, 2842, 2859,	17142, 17154,
9541, 20807,	2865, 2874, 2880,	17155, 17157,
20827, 20946, 20968	2889, 2895, 2903,	17158, 17164,
<code>\uppercasenonmath</code> .	2987, 2993, 3010,	17165, 17168,
. 114, 17967	3016, 3022, 3062,	17169, 17173,
<code>\uppermargin</code> . . . 11094	3063, 3069, 3075,	17174, 17177,
<code>\uppertitleback</code> . . .	3081, 3090, 3102,	17178, 17181,
. 21902, 21937,	3114, 3152, 3158,	17182, 17185,
22030, 22642,	3212, 3226, 3283,	17186, 17193,
22677, 22770,	3297, 3304, 3374,	17195, 17199,
23415, 23450, 23543	3433, 3436, 3440,	17201, 17206,
<code>\upshape</code> . 8405, 8412,	3445, 3463, 3470,	17208, 17212,
8419, 8426, 8433,	3522, 3557, 3559,	17214, 17218,
10636, 10640,	3623, 3635, 3660,	17220, 17224,
10641, 10728,	3667, 3704, 3706,	17226, 17239,
10733, 10734, 20523	3779, 3788, 3800,	17241, 20051,
<code>\urlstyle</code> 4944	3804, 3806, 3855,	20052, 20054,
<code>\use</code> 18841	3864, 3874, 3884,	20061, 20079,
<code>\usebeamercolor</code> 1586,	3895, 3899, 3901,	20361, 20362, 26036
1622, 1638, 1645,	3937, 3946, 3965	<code>\usecounter</code> 91,
1652, 1675, 1696,	<code>\usebeamerfont</code>	294, 607, 742,
1717, 1770, 1834,	. . . . . 2069,	1005, 1255, 2558,
1849, 1854, 1864,	2073, 2084, 2093,	2619, 5121, 8520,
1925, 1957, 1960,	2102, 2115, 2122,	9299, 9487, 9796,
2005, 2092, 2121,	2131, 2164, 2173,	11358, 11629,
2552, 2561, 2574,	2177, 2185, 2231,	15533, 17907,
2583, 2597, 2674,	2236, 2553, 2557,	20751, 21145,
2681, 2686, 2841,	2575, 2578, 2598,	21339, 21542,
2939, 2978, 2988,	2676, 2678, 2683,	22076, 22081,
2994, 3057, 3062,	2688, 2844, 3154,	22837, 22842,
3063, 3069, 3075,	3446, 3644, 3667	23602, 23607, 24328



<code>\usefontofkomafont</code>	384, 403, 416, 426	10320,	10323,
..... 22162,	<code>\usetocbasicnumberline</code>	10324,	10352,
22199, 22923,	..... 25062	10358,	10361,
22960, 23688, 23725		10369,	10408,
<code>\usekomafont</code>	V	10438,	10458,
. 21770, 21777,	<code>\vadjust</code> 8951, 8952, 8959	10466,	10471,
21851, 21857,	<code>\valign</code> ... 12126, 12129	10478,	10485,
21860, 21862,	<code>\value</code> ... 3372, 3373,	10495,	10506,
21865, 21873,	8018, 8037, 8056,	10519,	10569,
21875, 21918,	8088, 15959,	10575,	10793,
22192, 22193,	15974, 15975,	10801,	10802,
22224, 22225,	15978, 15979,	10810,	10814,
22230, 22235,	15982, 22123,	10822,	10823,
22236, 22239,	22884, 23649, 24098	10831,	10845,
22246, 22247,	<code>\var@@leftcolumn@badness</code>	10850,	10854,
22251, 22257,	10321, 10333, 10339	10857,	10861,
22258, 22262,	<code>\var@@rightcolumn@badness</code>	10862,	10879,
22325, 22328,	10325, 10335, 10340	10886,	10902,
22338, 22344,	<code>\var@@thecol@num</code> ..	10907,	10911,
22346, 22510,	..... 10265,	10912,	10915,
22517, 22591,	10267, 10536, 10554	10916,	10931,
22597, 22600,	<code>\vbadness</code> ... 10146,	10938,	11818,
22602, 22605,	10209, 12125,	11831,	11843,
22613, 22615,	12128, 15689,	11855,	11868,
22658, 22953,	15725, 15830,	11989,	11991,
22954, 22985,	16560, 16609,	12013,	12015,
22986, 22991,	19441, 19541,	12215,	12251,
22996, 22997,	20242, 26448, 26495	12278,	12313,
23000, 23007,	<code>\vbox</code> .. 306, 409, 417,	12342,	12360,
23008, 23012,	1444, 1511, 1845,	12374,	12387,
23018, 23019,	1963, 2077, 2083,	12401,	12513,
23023, 23087,	2091, 2101, 2114,	12547,	12572,
23090, 23100,	2120, 2130, 2144,	12606,	12634,
23106, 23109,	2159, 2181, 2239,	12651,	12664,
23283, 23290,	2256, 2273, 2291,	12676,	12689,
23364, 23370,	2307, 2323, 2434,	12801,	12837,
23373, 23375,	2436, 2454, 2458,	12864,	12899,
23378, 23386,	2497, 2502, 2514,	12928,	12946,
23388, 23431,	2527, 2532, 2533,	12960,	12973,
23718, 23719,	2867, 2882, 2897,	12987,	13100,
23750, 23751,	2912, 3000, 3289,	13136,	13163,
23756, 23761,	3309, 3551, 3561,	13198,	13227,
23762, 23765,	3586, 3606, 3608,	13245,	13259,
23772, 23773,	3701, 3709, 4861,	13272,	13286,
23777, 23783,	7759, 7760, 7762,	13399,	13435,
23784, 23788,	8935, 9849, 9854,	13462,	13497,
23852, 23855,	9932, 10110,	13526,	13544,
23865, 23871, 23874	10113, 10130,	13558,	13571,
<code>\usepackage</code>	10134, 10147,	13585,	13698,
... 6909, 6910,	10162, 10179,	13734,	13761,
6915, 6916, 6919,	10195, 10210,	13796,	13825,
6922, 6967, 6968	10225, 10238,	13843,	13857,
<code>\UseTaggingSocket</code> .	10254, 10279,	13870,	13884,
..... 379,	10280, 10319,	13997,	14033,



14060,	14095,	20345,	20348,	20659,	20662,
14124,	14142,	20353,	20390,	20784,	20813,
14156,	14169,	20397,	20398,	20923,	20952,
14183,	14296,	20405,	20534,	21109,	21112,
14332,	14359,	22202,	22963,	21188,	21202,
14394,	14423,	23728,	24050,	21375, 21389,	26787
14441,	14455,	24084,	24089,	\vfill	3065,
14468,	14482,	25636,	25639,	3640,	4453,
14595,	14631,	25644,	25648,	8715,	12126,
14658,	14693,	25652,	25656,	12129,	15420,
14722,	14740,	25660,	25664,	20341,	20346,
14754,	14767,	25668,	25672,	20347,	21574,
14781,	14816,	26064,	26072,	21589,	21621,
15074,	15092,	26073,	26081,	21638,	21854,
15105,	15123,	26248,	26253,	21879,	21893,
15131,	15139,	26345,	26362,	21917,	22594,
15153,	15161,	26449,	26464,	22619,	22633,
15169,	15195,	26496,	26511,	22657,	23367,
15208,	15225,	26542,	26558,	23392, 23406,	23430
15238,	15244,	26569,	26703,	\vfuzz	3000,
15252,	15259,	26744, 26783,	26786	7986,	7989, 7990
15267,	15273,	\vboxL	20398,	\vleftskip	19315, 19316
15281,	15288,	21564, 21609,	26073	\voffset	4481
15296,	15361,	\vboxR	20390, 26064	\voidb@x	2541, 9822, 9886
15369,	15384,	\vcenter	409,	\vphantom	25799
15703,	15740,	1508,	9929,	\vpic	20266, 20276, 20277
15831,	15836,	24084,	26166,	\vrightskip	19315, 19316
15861,	15876,	26255, 26256,	26345	\vrule	391, 1523,
15901,	16192,	\veqno	327, 328	1625, 1631, 1639,	
16207,	16222,	\verb	24097	1646, 1655, 1664,	
16242,	16433,	\VerbBox	11269, 11271	1678, 1687, 1699,	
16446,	16470,	\verse@i	8965, 8996,	1708, 1720, 1729,	
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X		Y
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\XC@getmodclr 25941, 25984	\XeTeX . 17798, 20447, 26133, 26136, 26137, 27024, 27025	
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\XC@let@Nc 25976, 26023	\XeTeXcharclass 4286, 4287, 4288, 4289, 4290	
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\XC@split 26019	\XeTeXinterchartoks	



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