

Configuration file for **refstyle** package*

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*This file has version number v0.6, last revised 2024/01/31.

1 The `refstyle` configuration file

Reference templates

The default configuration file, `refstyle.cfg`, makes the following reference declarations:

```
\newref{part}{...}    → Parts
\newref{chap}{...}    → Chapters and Appendices
\newref{sec}{...}     → Sections
\newref{eq}{...}      → Equations
\newref{fig}{...}     → Figures
\newref{tab}{...}     → Tables
\newref{fn}{...}      → Footnotes
```

If there is a need for more reference types, this standard list can be expanded.

Language definitions

The `refstyle` package also provides the following language definitions options for references, when loaded together with `babel`:

- afrikaans
- danish
- english, USenglish, american, canadian, UKenglish, british
- french
- german, ngerman, austrian, naustrian
- italian
- norwegian, nynorsk, norsk, bokmal¹
- portuges, portuguese, brazilian, brazil
- swedish

See section §2.3.8 on page 17 for an example of how to link your own definitions to an existing language setup.

¹Norwegian Bokmål is not defined in `babel` yet.

2 Implementation

1 $\langle *cfg \rangle$

2.1 Identification

```
2 \ProvidesFile{refstyle.cfg}[2024/01/31\space
3 v0.6\space
4 Configuration file for refstyle (DNJ Els)]
```

2.2 Language Definitions for refstyle Package

2.2.1 English

\backslash RSenglish Support provided by the author.

\backslash RSukenglish

```
5 %%-- ENGLISH -----
6 \newcommand\RSukenglish{%
7   \def\RSrngtxt{\space to~}%..... Range:    figures 5 to 6
8   \def\RSlstwtotxt{\space and~}%..... List two: figures 5 and 6
9   \def\RSlsttxt{, and~}%..... List more: figures 5, 6, and 7
10  \def\RSparttxt{Part~}%..... Part    lowercase singular
11  \def\RSpartstxt{Parts~}%.....          lowercase plural
12  \def\RSparttxt{Part~}%.....          uppercase singular (sentence start)
13  \def\RSpartstxt{Parts~}%.....          uppercase plural (sentence start)
14  \def\RSappendixname{appendix~}%..... Appendix lowercase singular
15  \def\RSappendicesname{appendices~}%..          lowercase plural
16  \def\RSappendixname{Appendix~}%.....          uppercase singular (sentence start)
17  \def\RSappendicesname{Appendices~}%..          uppercase plural (sentence start)
18  \def\RSchaptername{chapter~}%..... Chapter lowercase singular
19  \def\RSchaptersname{chapters~}%.....          lowercase plural
20  \def\RSchaptername{Chapter~}%.....          uppercase singular (sentence start)
21  \def\RSchaptersname{Chapters~}%.....          uppercase plural (sentence start)
22  \def\RSsectxt{section~}%..... Section lowercase singular
23  \def\RSsecstxt{sections~}%.....          lowercase plural
24  \def\RSsectxt{Section~}%.....          uppercase singular (sentence start)
25  \def\RSsecstxt{Sections~}%.....          uppercase plural (sentence start)
26  \def\RSeqtxt{equation~}%..... Equation lowercase singular
27  \def\RSeqstxt{equations~}%.....          lowercase plural
28  \def\RSeqtxt{Equation~}%.....          uppercase singular (sentence start)
29  \def\RSeqstxt{Equations~}%.....          uppercase plural (sentence start)
30  \def\RSfigtxt{figure~}%..... Figure  lowercase singular
31  \def\RSfigstxt{figures~}%.....          lowercase plural
32  \def\RSfigtxt{Figure~}%.....          uppercase singular (sentence start)
33  \def\RSfigstxt{Figures~}%.....          uppercase plural (sentence start)
34  \def\RSabtxt{table~}%..... Table    lowercase singular
35  \def\RSabstxt{tables~}%.....          lowercase plural
36  \def\RSabtxt{Table~}%.....          uppercase singular (sentence start)
37  \def\RSabstxt{Tables~}%.....          uppercase plural (sentence start)
38  \def\RSfootntxt{footnote~}%..... Footnote lowercase singular
39  \def\RSfootnstxt{footnotes~}%.....          lowercase plural
40  \def\RSfootntxt{Footnote~}%.....          uppercase singular (sentence start)
41  \def\RSfootnstxt{Footnotes~}%.....          uppercase plural (sentence start)
```

```

42 }
43 \newcommand\RSenglish{%
44   \def\RSrngtxt{\space to~}%
45   \def\RSlsttwotxt{\space and~}%
46   \def\RSlsttxt{\space and~}%
47   \def\RSparttxt{Part~}%
48   \def\RSpartstxt{Parts~}%
49   \def\RSParttxt{Part~}%
50   \def\RSPartstxt{Parts~}%
51   \def\RSappendixname{appendix~}%
52   \def\RSappendicesname{appendices~}%
53   \def\RSAppendixname{Appendix~}%
54   \def\RSAppendicesname{Appendices~}%
55   \def\RSchaptername{chapter~}%
56   \def\RSchaptersname{chapters~}%
57   \def\RSChaptername{Chapter~}%
58   \def\RSChaptersname{Chapters~}%
59   \def\RSsectxt{section~}%
60   \def\RSsecstxt{sections~}%
61   \def\RSSectxt{Section~}%
62   \def\RSSecstxt{Sections~}%
63   \def\RSeqtxt{equation~}%
64   \def\RSeqstxt{equations~}%
65   \def\RSEqtxt{Equation~}%
66   \def\RSEqstxt{Equations~}%
67   \def\RSfigtxt{figure~}%
68   \def\RSfigstxt{figures~}%
69   \def\RSFigtxt{Figure~}%
70   \def\RSFigstxt{Figures~}%
71   \def\RStabtxt{table~}%
72   \def\RStabstxt{tables~}%
73   \def\RSTabtxt{Table~}%
74   \def\RSTabstxt{Tables~}%
75   \def\RSfootntxt{footnote~}%
76   \def\RSfootnstxt{footnotes~}%
77   \def\RSFootntxt{Footnote~}%
78   \def\RSFootnstxt{Footnotes~}%
79 }

```

Make English the default.

```
80 \RSenglish% Default
```

Options

```

81 \DeclareLangOpt{english}{\RSenglish}
82 \DeclareLangOpt{USenglish}{\RSenglish}
83 \DeclareLangOpt{american}{\RSenglish}
84 \DeclareLangOpt{canadian}{\RSenglish}
85 \DeclareLangOpt{UKenglish}{\RSukenglish}
86 \DeclareLangOpt{british}{\RSukenglish}

```

2.2.2 Afrikaans

`\RSafrikaans` Support provided by the author.

```
87 %%-- AFRIKAANS -----
88 \newcommand\RSafrikaans{%
89   \def\RSrngtxt{\space tot~}%
90   \def\RSlsttwotxt{\space en~}%
91   \def\RSlsttxt{\space en~}%
92   \def\RSparttxt{Deel~}%
93   \def\RSpartstxt{Dele~}%
94   \def\RSParttxt{Deel~}%
95   \def\RSPartstxt{Dele~}%
96   \def\RSappendixname{bylae~}%
97   \def\RSappendicesname{bylaes~}%
98   \def\RSAppendixname{Bylae~}%
99   \def\RSAppendicesname{Bylaes~}%
100  \def\RSchaptername{hoofstuk~}%
101  \def\RSchaptersname{hoofstukke~}%
102  \def\RSChaptername{Hoofstuk~}%
103  \def\RSChaptersname{Hoofstukke~}%
104  \def\RSsectxt{afdeling~}%
105  \def\RSsecstxt{afdelings~}%
106  \def\RSSectxt{Afdeling~}%
107  \def\RSSecstxt{Afdelings~}%
108  \def\RSeqtxt{vergelyking~}%
109  \def\RSeqstxt{vergelykings~}%
110  \def\RSEqtxt{Vergelyking~}%
111  \def\RSEqstxt{Vergelyking~}%
112  \def\RSfigtxt{figuur~}%
113  \def\RSfigstxt{figure~}%
114  \def\RSFigtxt{Figuur~}%
115  \def\RSFigstxt{Figure~}%
116  \def\RStabtxt{tabel~}%
117  \def\RStabstxt{tabelle~}%
118  \def\RSTabtxt{Tabel~}%
119  \def\RSTabstxt{Tabelle~}%
120  \def\RSfootntxt{footnota~}%
121  \def\RSfootnstxt{footnotas~}%
122  \def\RSFootntxt{Footnota~}%
123  \def\RSFootnstxt{Footnotas~}%
124 }
```

Options

```
125 \DeclareLangOpt{afrikaans}{\RSafrikaans}
```

2.2.3 Danish

`\RSdanish` Thomas Widmann: <thomas.widmann AT harpercollins DOT co DOT uk> provided the definitions for Danish.

```

126 %%-- DANISH -----
127 \newcommand\RSdanish{%
128   \def\RSrngtxt{\space til~}%
129   \def\RSlsttwotxt{\space og~}%
130   \def\RSlsttxt{\space og~}%
131   \def\RSparttxt{del~}%
132   \def\RSpartstxt{del~}%
133   \def\RSParttxt{Del~}%
134   \def\RSPartstxt{Del~}%
135   \def\RSappendixname{bilag~}%      % 'appendiks' is also possible,
136   \def\RSappendicesname{bilag~}%   % but 'bilag' is used in Babel
137   \def\RSAppendixname{Bilag~}%
138   \def\RSAppendicesname{Bilag~}%
139   \def\RSchaptername{kapitel~}%
140   \def\RSchaptersname{kapitel~}%
141   \def\RSChaptername{Kapitel~}%
142   \def\RSChaptersname{Kapitel~}%
143   \def\RSsectxt{afsnit~}%
144   \def\RSsecstxt{afsnit~}%
145   \def\RSSectxt{Afsnit~}%
146   \def\RSSecstxt{Afsnit~}%
147   \def\RSeqtxt{ligning~}%
148   \def\RSeqstxt{ligning~}%
149   \def\RSEqtxt{Ligning~}%
150   \def\RSEqstxt{Ligning~}%
151   \def\RSfigtxt{figur~}%
152   \def\RSfigstxt{figur~}%
153   \def\RSFigtxt{Figur~}%
154   \def\RSFigstxt{Figur~}%
155   \def\RStabtxt{tabel~}%
156   \def\RStabstxt{tablel~}%
157   \def\RSTabtxt{Tabel~}%
158   \def\RSTabstxt{Tabel~}%
159   \def\RSfootntxt{fodnote~}%
160   \def\RSfootnstxt{fodnote~}%
161   \def\RSFootntxt{Fodnote~}%
162   \def\RSFootnstxt{Fodnote~}%
163 }

```

Options

```

164 \DeclareLangOpt{danish}{\RSdanish}

```

2.2.4 French

`\RSfrench` Jean-Pierre Chrétien <jeanpierre.chretien AT free DOT fr> provided the definitions for French.

```

165 %%-- FRENCH -----

```

```

166 \newcommand\RSfrench{%
167   \def\RSrngtxt{\space \'{a}~}%
168   \def\RSlsttwotxt{\space et~}%
169   \def\RSlsttxt{\space et~}%
170   \def\RSparttxt{partie~}%
171   \def\RSpartstxt{parties~}%
172   \def\RSParttxt{La partie~}%
173   \def\RSPartstxt{Les parties~}%
174   \def\RSappendixname{appendice~}%
175   \def\RSappendicesname{appendices~}%
176   \def\RSAppendixname{L'appendice~}%
177   \def\RSAppendicesname{Les appendices~}%
178   \def\RSchaptername{chapitre~}%
179   \def\RSchaptersname{chapitres~}%
180   \def\RSChaptername{Le chapitre~}%
181   \def\RSChaptersname{Les chapitres~}%
182   \def\RSsectxt{section~}%
183   \def\RSsecstxt{sections~}%
184   \def\RSSectxt{La section~}%
185   \def\RSSecstxt{Les sections~}%
186   \def\RSeqtxt{\'e}quation~}%
187   \def\RSeqstxt{\'e}quations~}%
188   \def\RSEqtxt{L\'e}quation~}%
189   \def\RSEqstxt{Les \\'e}quations~}%
190   \def\RSfigtxt{figure~}%
191   \def\RSfigstxt{figures~}%
192   \def\RSFigtxt{La figure~}%
193   \def\RSFigstxt{Les figures~}%
194   \def\RSabtxt{tableau~}%
195   \def\RSabstxt{tableaux~}%
196   \def\RSTabtxt{Le tableau~}%
197   \def\RSTabstxt{Les tableaux~}%
198   \def\RSfootntxt{note~}%
199   \def\RSfootnstxt{notes~}%
200   \def\RSFootntxt{La note~}%
201   \def\RSFootnstxt{Les notes~}%
202 }

```

Options

```

203 \DeclareLangOpt{french}{\RSfrench}

```

2.2.5 German

`\RSgerman` Harald Harders: <h.harders AT tu-bs DOT de> provided the definitions for German.

```

204 %%-- GERMAN -----
205 \newcommand\RSgerman{%
206   \def\RSrngtxt{\space bis~}%
207   \def\RSlsttwotxt{\space und~}%

```

```

208 \def\RSlsttxt{\space und~}%
209 \def\Rsparttxt{Teil~}%
210 \def\Rspartstxt{Teile~}%
211 \def\RSParttxt{Teil~}%
212 \def\RSPartstxt{Teile~}%
213 \def\RSappendixname{Anhang~}%
214 \def\RSappendicesname{Anh\"{a}nge~}%
215 \def\RSAppendixname{Anhang~}%
216 \def\RSAppendicesname{Anh\"{a}nge~}%
217 \def\RSchaptername{Kapitel~}%
218 \def\RSChaptersname{Kapitel~}%
219 \def\RSChaptername{Kapitel~}%
220 \def\RSChaptersname{Kapitel~}%
221 \def\RSsectxt{Abschnitt~}%
222 \def\RSsecstxt{Abschnitt~}%
223 \def\RSSectxt{Abschnitt~}%
224 \def\RSSecstxt{Abschnitt~}%
225 \def\RSeqtxt{Gleichung~}%
226 \def\RSeqstxt{Gleichungen~}%
227 \def\RSEqtxt{Gleichung~}%
228 \def\RSEqstxt{Gleichungen~}%
229 \def\RSfigtxt{Abbildung~}%
230 \def\RSfigstxt{Abbildung~}%
231 \def\RSFigtxt{Abbildung~}%
232 \def\RSFigtstxt{Abbildung~}%
233 \def\RStabtxt{Tabelle~}%
234 \def\RStabstxt{Tabellen~}%
235 \def\RSTabtxt{Tabelle~}%
236 \def\RSTabstxt{Tabellen~}%
237 \def\RSfootntxt{Fu\ss note~}%
238 \def\RSfootnstxt{Fu\ss noten~}%
239 \def\RSFootntxt{Fu\ss note~}%
240 \def\RSFootnstxt{Fu\ss noten~}%
241 }

```

Options

```

242 \DeclareLangOpt{german}{\RSgerman}
243 \DeclareLangOpt{ngerman}{\RSgerman}
244 \DeclareLangOpt{austrian}{\RSgerman}
245 \DeclareLangOpt{naustrian}{\RSgerman}

```

2.2.6 Italian

`\RSitalian` Nicola Lunghi: <nick83ola AT gmail DOT com> provided the definitions for Italian.

```

246 %%-- ITALIAN -----
247 \newcommand\RSitalian{%
248   \def\RSrngtxt{--}%
249   \def\RSlsttwotxt{\space e~}%

```



```

250 \def\RSlsttxt{\space e~}%
251 \def\Rsparttxt{Parte~}%
252 \def\Rspartstxt{Parti~}%
253 \def\RSParttxt{Parte~}%
254 \def\RSPartstxt{Parti~}%
255 \def\RSappendixname{l'appendice~}%
256 \def\RSappendicesname{le appendici~}%
257 \def\RSAppendixname{l'Appendice~}%
258 \def\RSAppendicesname{le Appendici~}%
259 \def\RSchaptername{il capitolo~}%
260 \def\RSchaptersname{i capitoli~}%
261 \def\RSChaptername{il Capitolo~}%
262 \def\RSChaptersname{i Capitoli~}%
263 \def\RSsectxt{la sezione~}%
264 \def\RSsecstxt{le sezioni~}%
265 \def\RSSectxt{la Sezione~}%
266 \def\RSSecstxt{la Sezioni~}%
267 \def\RSeqtxt{l'equazione~}%
268 \def\RSeqstxt{le equazioni~}%
269 \def\RSEqtxt{l'Equazione~}%
270 \def\RSEqstxt{le Equazioni~}%
271 \def\RSfigtxt{la figura~}%
272 \def\RSfigstxt{le figure~}%
273 \def\RSFigtxt{la Figura~}%
274 \def\RSFigstxt{le Figure~}%
275 \def\RStabtxt{la tabella~}%
276 \def\RStabstxt{le tabelle~}%
277 \def\RSTabtxt{la Tabella~}%
278 \def\RSTabstxt{le Tabelle~}%
279 \def\RSfootntxt{la nota~}%
280 \def\RSfootnstxt{le note~}%
281 \def\RSFootntxt{la Nota~}%
282 \def\RSFootnstxt{le Note~}%
283 }

```

Options

```

284 \DeclareLangOpt{italian}{\RSitalian}

```

2.2.7 Norwegian

`\RSnorwegian` Karl Ove Hufthammer: <karloh AT mi DOT uib DOT no> provided the definitions for Norwegian.

Norway has two official languages Norwegian Nynorsk and Norwegian Bokmål (commonly 'nynorsk' and 'norsk' in LaTeX), but the `refstyle` definitions are identically in both variants.

```

285 %-- NORWEGIAN -----
286 \newcommand\RSnorwegian{%
287 \def\RSrngtxt{\space til~}%

```

```

288 \def\RSlsttwotxt{\space og~}%
289 \def\RSlsttxt{\space og~}%
290 \def\RSparttxt{del~}%
291 \def\RSpartstxt{del~}%
292 \def\RSParttxt{Del~}%
293 \def\RSPartstxt{Del~}%
294 \def\RSappendixname{tillegg~}%
295 \def\RSappendicesname{tillegg~}%
296 \def\RSAppendixname{Tillegg~}%
297 \def\RSAppendicesname{Tillegg~}%
298 \def\RSchaptername{kapittel~}%
299 \def\RSchaptersname{kapittel~}%
300 \def\RSChaptername{Kapittel~}%
301 \def\RSChaptersname{Kapittel~}%
302 \def\RSsectxt{avsnitt~}%
303 \def\RSsecstxt{avsnitt~}%
304 \def\RSsectxt{Avsnitt~}%
305 \def\RSsecstxt{Avsnitt~}%
306 \def\RSeqtxt{formel~}%
307 \def\RSeqstxt{formel~}%
308 \def\RSEqtxt{Formel~}%
309 \def\RSEqstxt{Formel~}%
310 \def\RSfigtxt{figur~}%
311 \def\RSfigstxt{figur~}%
312 \def\RSFigtxt{Figur~}%
313 \def\RSFigstxt{Figur~}%
314 \def\RSabtxt{tabell~}%
315 \def\RSabstxt{tabell~}%
316 \def\RSabtxt{Tabell~}%
317 \def\RSabstxt{Tabell~}%
318 \def\RSfootntxt{fotnote~}%
319 \def\RSfootnstxt{fotnote~}%
320 \def\RSFootntxt{Fotnote~}%
321 \def\RSFootnstxt{Fotnote~}%
322 }

```

Options

```

323 \DeclareLangOpt{norwegian}{\RSnorwegian}
324 \DeclareLangOpt{nynorsk}{\RSnorwegian}
325 \DeclareLangOpt{bokmal}{\RSnorwegian}% Not in babel yet
326 \DeclareLangOpt{norsk}{\RSnorwegian}

```

2.2.8 Portuguese/Brazilian

`\RSPORTUGUESE` Bernhard Enders and Flavio Costa <flaviocosta AT yahoo DOT com DOT br>
`\RSbrazilian` provided the definitions for Portuguese.

```

327 %-- PORTUGUESE -----
328 \newcommand\RSPORTUGUESE{%
329 \def\RSrngtxt{\space a~}%

```

```

330 \def\RSlsttwotxt{\space e~}%
331 \def\RSlsttxt{\space e~}%
332 \def\RSparttxt{Parte~}%
333 \def\RSpartstxt{Partes~}%
334 \def\RSparttxt{Parte~}%
335 \def\RSpartstxt{Partes~}%
336 \def\RSappendixname{ap\^{}e}ndice~}%
337 \def\RSappendicesname{ap\^{}e}ndices~}%
338 \def\RSappendixname{Ap\^{}e}ndice~}%
339 \def\RSappendicesname{Ap\^{}e}ndices~}%
340 \def\RSchaptername{cap\^{}i}tulo~}%
341 \def\RSchaptersname{cap\^{}i}tulos~}%
342 \def\RSchaptername{Cap\^{}i}tulo~}%
343 \def\RSchaptersname{Cap\^{}i}tulos~}%
344 \def\RSsectxt{se\c{c}\^{}a}o~}%
345 \def\RSsecstxt{se\c{c}\^{}o}es~}%
346 \def\RSsectxt{Se\c{c}\^{}a}o~}%
347 \def\RSsecstxt{Se\c{c}\^{}o}es~}%
348 \def\RSeqtxt{equa\c{c}\^{}a}o~}%
349 \def\RSeqstxt{equa\c{c}\^{}o}es~}%
350 \def\RSEqtxt{Equa\c{c}\^{}a}o~}%
351 \def\RSEqstxt{Equa\c{c}\^{}o}es~}%
352 \def\RSfigtxt{figura~}%
353 \def\RSfigstxt{figuras~}%
354 \def\RSFigtxt{Figura~}%
355 \def\RSFigstxt{Figuras~}%
356 \def\RSabtxt{tabela~}%
357 \def\RSabstxt{tabelas~}%
358 \def\RSabtxt{Tabela~}%
359 \def\RSabstxt{Tabelas~}%
360 \def\RSfootntxt{nota de rodap\^{}e}~}%
361 \def\RSfootnstxt{notas de rodap\^{}e}~}%
362 \def\RSFootntxt{Nota de rodap\^{}e}~}%
363 \def\RSFootnstxt{Notas de rodap\^{}e}~}%
364 }

365 \newcommand\RSbrazilian{%
366 \def\RSrngtxt{\space a~}%
367 \def\RSlsttwotxt{\space e~}%
368 \def\RSlsttxt{\space e~}%
369 \def\RSparttxt{Parte~}%
370 \def\RSpartstxt{Partes~}%
371 \def\RSparttxt{Parte~}%
372 \def\RSpartstxt{Partes~}%
373 \def\RSappendixname{ap\^{}e}ndice~}%
374 \def\RSappendicesname{ap\^{}e}ndices~}%
375 \def\RSappendixname{Ap\^{}e}ndice~}%
376 \def\RSappendicesname{Ap\^{}e}ndices~}%
377 \def\RSchaptername{cap\^{}i}tulo~}%
378 \def\RSchaptersname{cap\^{}i}tulos~}%
379 \def\RSchaptername{Cap\^{}i}tulo~}%
380 \def\RSchaptersname{Cap\^{}i}tulos~}%
381 \def\RSsectxt{sec\c{c}\^{}a}o~}%<-----
382 \def\RSsecstxt{sec\c{c}\^{}o}es~}%<-----

```

```

383 \def\RSSectxt{Sec\c{c}\~{a}o~}%<-----
384 \def\RSSecstxt{Sec\c{c}\~{o}es~}%<-----
385 \def\RSeqtxt{Equa\c{c}\~{a}o~}%
386 \def\RSeqstxt{Equa\c{c}\~{o}es~}%
387 \def\RSEqtxt{Equa\c{c}\~{a}o~}%
388 \def\RSEqstxt{Equa\c{c}\~{o}es~}%
389 \def\RSfigtxt{figura~}%
390 \def\RSfigstxt{figuras~}%
391 \def\RSFigtxt{Figura~}%
392 \def\RSFigstxt{Figuras~}%
393 \def\RStabtxt{tabela~}%
394 \def\RStabstxt{tabelas~}%
395 \def\RSTabtxt{Tabela~}%
396 \def\RSTabstxt{Tabelas~}%
397 \def\RSfootntxt{nota de rodap\~{e}~}%
398 \def\RSfootnstxt{notas de rodap\~{e}~}%
399 \def\RSFootntxt{Nota de rodap\~{e}~}%
400 \def\RSFootnstxt{Notas de rodap\~{e}~}%
401 }

```

Options

```

402 \DeclareLangOpt{portuges}{\RSportuguese}
403 \DeclareLangOpt{portuguese}{\RSportuguese}
404 \DeclareLangOpt{brazilian}{\RSbrazilian}
405 \DeclareLangOpt{brazil}{\RSbrazilian}

```

2.2.9 Swedish

`\RSSwedish` Björn Thors <bjorn.thors AT alfvenlab DOT kth DOT se> provided the definitions for Swedish.

```

406 %%-- SWEDISH -----
407 \newcommand\RSSwedish{%
408   \def\RSrngtxt{\space till~}%
409   \def\RSlsttwotxt{\space och~}%
410   \def\RSlsttxt{\space och~}%
411   \def\RSparttxt{del~}%
412   \def\RSpartstxt{del~}%
413   \def\RSParttxt{Del~}%
414   \def\RSPartstxt{Del~}%
415   \def\RSappendixname{appendix~}%
416   \def\RSappendicesname{appendix~}%
417   \def\RSAppendixname{Appendix~}%
418   \def\RSAppendicesname{Appendix~}%
419   \def\RSchaptername{kapitel~}%
420   \def\RSchaptersname{kapitel~}%
421   \def\RSChaptername{Kapitel~}%
422   \def\RSChaptersname{Kapitel~}%
423   \def\RSsectxt{sektion~}%
424   \def\RSSecstxt{sektion~}%

```

```

425 \def\RSSectxt{Sektion~}%
426 \def\RSsecstxt{Sektion~}%
427 \def\RSeqtxt{ekvation~}%
428 \def\RSeqstxt{ekvation~}%
429 \def\RSEqtxt{Ekvation~}%
430 \def\RSEqstxt{Ekvation~}%
431 \def\RSfigtxt{figur~}%
432 \def\RSfigstxt{figur~}%
433 \def\RSFigtxt{Figur~}%
434 \def\RSFigstxt{Figur~}%
435 \def\RStabtxt{tabell~}%
436 \def\RStabstxt{tabell~}%
437 \def\RSTabtxt{Tabell~}%
438 \def\RSTabstxt{Tabell~}%
439 \def\RSfootntxt{fotnot~}%
440 \def\RSfootnstxt{fotnot~}%
441 \def\RSFootntxt{Fotnot~}%
442 \def\RSFootnstxt{Fotnot~}%
443 }

```

Options

```

444 \DeclareLangOpt{swedish}{\RSSwedish}

```

2.3 Templates for the `refstyle` Package

The user can also define his or her own templates and put it in a separate configuration file to ensure uniformity of reference formats in your documents.

2.3.1 Parts

References to parts are usually straight forward, except that the document division “Part” must be distinguished from the normal usage of the word “part” in a sentence. A personal preference is to use small caps.

```

445 %%-- TEMPLATE FOR PARTS -----
446 \newref{part}{%
447     name    = \RSpartment,
448     names   = \RSpartmentstxt,
449     Name    = \RSPpartment,
450     Names   = \RSPartmentstxt,
451     rngtxt  = \RSrngtxt,
452     lsttxt  = \RSlsttxt}

```

2.3.2 Chapters and Appendices

A major problem with a reference to a chapter is that at the time when the reference label, `\label{<chap-label>}`, is created, it is unknown whether it would eventually end up in the main matter or the appendix part of a book or report.

A simple solution is to use the prefix to the $\langle chapter \rangle$ counter, $\backslash p@chapter$, to write the definition of $\backslash @chapapp$ to the auxiliary file ($.aux$) together with information of the label. The command $\backslash @chapapp$ expands to either $\backslash chaptername$ or $\backslash appendixname$ depending on whether the reference label is defined in the main matter or after the $\backslash appendix$ was called. (Note that $\backslash @chapapp$ is not defined in the AMS book class.)

```
\renewcommand*{\p@chapter}{\string\chname{\@chapapp}}
\newcommand*{\chname}[1]{}%<-make it harmless
\newcommand*{\chapref}[1]{\renewcommand*{\chname}[1]{##1~}\ref{#1}}
```

The reference to a chapter, $\backslash chapref{\langle chap-label \rangle}$, will then be prefixed with $\backslash chaptername$ or $\backslash appendixname$ and it does not matter where it was defined or where it was called.

To utilize the full functionality of the `refstyle` package for references to chapters and appendices, a complex form of $\backslash newref$ needs to be implemented. The following is a template for a book or report classes.

```
453 %-- TEMPLATE FOR CHAPTERS & APPENDIXES -----
Prevent crashes for non-book type classes.
454 \providecommand*{\p@chapter}{}
Add \@chapapp to \p@chapter for writeout to auxiliary file. If an AMS book
class is loaded, then \chaptername must be used.
455 \AtBeginDocument{%
456   \RS@ifundefined{chapter}{}{%
457     \RS@ifundefined{@chapapp}%
458       {\renewcommand*{\p@chapter}{\string\chpname{\chaptername}}}%AMS
459       {\renewcommand*{\p@chapter}{\string\chpname{\@chapapp}}}% Normal
460   }%
461 }
Define \chpname to gobble its contents outside the reference commands.
462 \newcommand*{\chpname}[1]{}
Define the \RSchpname to typeset all the different perturbations of chapter and
appendix names. Use the conditionals to switch between the different options.
463 \newcommand*{\RS@chpname}[1]{%
464   \ifRSnameon
465     \edef\RS@tmpa{#1}%
466     \edef\RS@tmpb{\appendixname}%
467     \ifx\RS@tmpa\RS@tmpb\relax%
468       \ifRSplural
469         \ifRScapname \RSAppendicesname \else \RSappendicesname \fi
470       \else
471         \ifRScapname \RSAppendixname \else \RSappendixname \fi
472       \fi
473     \else
474       \ifRSplural
475         \ifRScapname \RSChaptersname \else \RSchaptersname \fi
476       \else
477         \ifRScapname \RSChaptername \else \RSchaptername \fi
478       \fi

```

```

479     \fi
480     \fi}

Define the \newref for chapters.
481     \newref{chap}{%
482         refcmd      = {\let\chpname=\RS@chpname\ref{#1}},
483         rngtxt       = \RSrngtxt,
484         lsttwotxt    = \RSlsttwotxt,
485         lsttxt       = \RSlsttxt}

```

2.3.3 Sections and paragraphs

A template for references to sections is given below. References to paragraphs are similar and is left as an exercise to the users.

```

486 %%-- TEMPLATE FOR SECTIONS -----
487     \newref{sec}{%
488         name        = \RSsectxt,
489         names       = \RSsecstxt,
490         Name        = \RSSectxt,
491         Names       = \RSSecstxt,
492         refcmd      = {\S\ref{#1}},
493         rngtxt       = \RSrngtxt,
494         lsttwotxt    = \RSlsttwotxt,
495         lsttxt       = \RSlsttxt}

```

2.3.4 Equations

The equation number in references to equations are traditionally written in an upright text, irrespective of the surrounding text.

```

496 %%-- TEMPLATE FOR EQUATIONS -----

The standard equation ref format if amsmath.sty is not loaded.
497 \newcommand*{\RSeqreiform}[1]{\textup{(\ref{#1})}}

If amsmath.sty is loaded, store \eqref and then undefine it before the template is
created.

498 \AddToHook{package/amsmath/after}%
499     {\NewCommandCopy\AMSeqref\eqref
500     \RS@removedef{eqref}}%

501 \newref{eq}{%
502     name        = \RSeqtxt,
503     names       = \RSeqstxt,
504     Name        = \RSEqtxt,
505     Names       = \RSEqstxt,
506     refcmd      = \RSeqreiform{#1},
507     rngtxt       = \RSrngtxt,
508     lsttwotxt    = \RSlsttwotxt,
509     lsttxt       = \RSlsttxt}

```

```

Make way for amsmath.sty definitions
510 \let\RSeqref\eqref
511 \let\eqref\relax
Some footwork to bring the AMS definition of \eqref back if amsmath.sty is
loaded afterwards.
512 \AtBeginDocument{%
513   \ifpackageloaded{amsmath}%
514     {\DeclareCommandCopy\RSeqref\AMSeqref}%
515     {}%
516   \let\eqref=\RSeqref
517 }

```

2.3.5 Figures and Tables

References to figures and tables are usually straight forward.

```

518 %%-- TEMPLATE FOR FIGURES -----
519 \newref{fig}{%
520   name      = \RSfigtxt,
521   names     = \RSfigstxt,
522   Name      = \RSFigtxt,
523   Names     = \RSFigstxt,
524   rngtxt    = \RSrngtxt,
525   lsttwotxt = \RSlsttwotxt,
526   lsttxt    = \RSlsttxt}

```

```

527 %%-- TEMPLATE FOR TABLES -----
528 \newref{tab}{%
529   name      = \RStabtxt,
530   names     = \RStabstxt,
531   Name      = \RSTabtxt,
532   Names     = \RSTabstxt,
533   rngtxt    = \RSrngtxt,
534   lsttwotxt = \RSlsttwotxt,
535   lsttxt    = \RSlsttxt}

```

2.3.6 Footnotes

A reference to a footnote differs from other references in that it is only defined inside the footnote definition itself:

```
\footnote{This is a footnote with ... \label{fn:xx}}
```

It can then be referred to with `\ref{fn:xx}`.

A useful application of the `refstyle` package is for references to footnotes, where you need a duplicate footnote mark that refers to a previously defined footnote.² You can use the starred form of the reference command to format the reference as a footnote mark, while the reference commands without a star behave as normal.

²This is a footnote with `\fnlabel{xx}` ...

$\backslash\text{fnref}\{xx\}$ \rightarrow ²
 $\backslash\text{fnref}\{xx\}$ \rightarrow footnote (2)

```

536 %%-- TEMPLATE FOR FOOTNOTES -----
Define the \RSfnmark to reproduce the footnote mark. Use the \ifRSstar conditional to switch between a superscripted and a normal reference.
537 \newcommand{\RSfnmark}[1]{%
538   \begingroup
539   \unrestored@protected@xdef\@thefnmark{\ref{#1}}%
540   \endgroup
541   \@footnotemark}
542 \newref{fn}{%
543   name      = \RSfootntxt,
544   names     = \RSfootnstxt,
545   Name      = \RSFootntxt,
546   Names     = \RSFootnstxt,
547   refcmd    = {\ifRSstar\RSfnmark{#1}\else(\ref{#1})\fi},
548   rngtxt    = \RSrngtxt,
549   lsttwotxt = \RSlsttwotxt,
550   lsttxt    = \RSlsttxt}

```

2.3.7 Enumerated lists

A reference to an item in an enumerated list can be obtained by placing the labelling command after the `\item` command inside the list. The second level numbering of the `\ref` label in the standard L^AT_EX is: 2a, 2b, etc.

If you want to change the reference labels to 2(a), 2(b), etc., without effecting the display in the `enumerate` environment, you can make the following redefinition:

```

\makeatletter
\renewcommand{\p@enumii}{\expandafter\p@@enumii}
\newcommand{\p@@enumii}[1]{\theenumi(#1)}
\makeatother

```

The contents of the `\@currentlabel` is then

`\expandafter\p@@enumii\theenumii` \rightarrow `\theenumi(\theenumii)`

Writing a template for enumerated lists is left to the user.

2.3.8 Theorems, lemmas, etc.

There exists many perturbations to the theorem environment such as, Theorem, Lemma, Exercise, etc., and it is left to the user as an exercise to construct his or her own templates.

As an example to add reference for theorems to an exiting setup:

```

\usepackage{refstyle}
\newref{thm}{
  name      = {theorem~},
  names     = {theorems~},

```

```

Name      = {Theorem~},
Names     = {Theorems~},
rngtxt    = \RSrngtxt,
lsttwotxt = \RSlsttxt,
lsttxt    = \RSlsttxt}

```

If you want to add it to a specific language setup with **babel** then you can do the following, for example for a dual language document with English and Norwegian:

```

\documentclass[english, norwegian]{article}% NB: Languages as global opts!
\usepackage{babel}           %Use global languages
\usepackage{varioref}       %Use global languages
\usepackage{refstyle}        %Use global languages
\RSaddto{\RSnorwegian}{%
  \def\RSthmtxt{theorem}%
  \def\RSthmstxt{theorems}%
  \def\RSThmtxt{Theorem}%
  \def\RSThmstxt{Theorems}}
\RSaddto{\RSenglish}{%
  \def\RSthmtxt{theorem}%
  \def\RSthmstxt{theorems}%
  \def\RSThmtxt{Theorem}%
  \def\RSThmstxt{Theorems}}
\newref{thm}{
  name      = \RSthmtxt,
  names     = \RSthmstxt,
  Name      = \RSThmtxt,
  Names     = \RSThmstxt,
  rngtxt    = \RSrngtxt,
  lsttwotxt = \RSlsttxt,
  lsttxt    = \RSlsttwotxt}

```

All **babel** language changes will then activate the proper code setup. In this example the **refstyle** mechanism is used where the code is appended to the **\RSenglish** and **\RSnorwegian** container functions. These functions are added by the package to the **babel** containers **\extrasenglish** and **\extrasnorwegian**, that is called every time a language change occurs. Please see the contents of **refstyle.cfg** for the names of the **refstyle** containers associated with the different languages.

Note that the extended definitions can also be added directly to the **babel** containers without using **refstyle**'s mechanism.

551 `</cfg>`

Change History

v0.0	support	7
General: Initial version	\RSswedish: Add Swedish	
v0.2	language support	12
General: Updated version	v0.3	
\RSdanish: Add Danish language	General: Documentation update	1
support	\RSnorwegian: Add Norwegian	
\RSgerman: Add German language	language support	9

v0.4		
General: Add <code>\RSlsttwotxt</code> for		<code>\RSitalian</code> : Add Italian language
lists	1	support
		8
<code>\RSbrazilian</code> : Add Portuguese		v0.5
language support	10	General: Bug fixes
		1
<code>\RSfrench</code> : Add French language		v0.6
support	6	General: robustification of AMS'
		<code>\eqref</code>
		1