

# La L E T T R E G U T e n b e r g

Support for the newsletter “La Lettre GUTenberg”

Association GUTenberg

23 octobre 2024

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<https://www.gutenberg-asso.fr/?Adherer-en-ligne>

# GUTenberg

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## Identification

```

1 % This is file `letgut.cls',
2 % generated with the Emacs Org-babel utility.
3 %
4 % The original source file is letgut.org
5 %
6 % -----:| -----
7 % letgut:| Class for the newsletter “La Lettre GUTenberg”
8 % Author:| Association GUTenberg
9 % E-mail:| secretariat@gutenberg-asso.fr
10 % License:| Released under the LaTeX Project Public License
11 %          | v1.3c or later
12 % See:| http://www.latex-project.org/lppl.txt
13 %
14 % Copyright (C) 1994-2024 by Association GUTenberg
15 %          <secretariat@gutenberg-asso.fr>
16 %
17 % This work may be distributed and/or modified under the
18 % conditions of the LaTeX Project Public License (LPPL), either
19 % version 1.3c of this license or (at your option) any later
20 % version. The latest version of this license is in the file:
21 %
22 % http://www.latex-project.org/lppl.txt
23 %
24 % This work is “maintained” (as per LPPL maintenance status)
25 % by Association GUTenberg.
26 %

```

## Debugging

```

1 % \RequirePackage[
2 %   , check-declarations
3 %   , enable-debug
4 %   , backend=luatex
5 % ]{expl3}

```

## Implementation

These document classes can only be used with L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, so we make sure that an appropriate message is displayed when another T<sub>E</sub>X format is used.

```

1 \NeedsTeXFormat{LaTeX2e}[2020-10-01]

```

We define some constant token lists immediately useful.

```

1 \ExplSyntaxOn
2 \tl_const:Nn \c__letgut_Lettre_plain_tl { Lettre }
3 \tl_const:Nn \c__letgut_Lettre_tl { \emph{ \c__letgut_Lettre_plain_tl }
4   }
5 \tl_const:Nn \c__letgut_Lettres_tl {
6   \c__letgut_Lettre_tl \emph{ s }
7 }
8 \tl_const:Nn \c__letgut_gutenberg_tl { GUTenberg }
9 \tl_const:Nn \c__letgut_association_tl { association }
10 \tl_const:Nn \c__letgut_Lettre_gutenberg_plain_tl {

```

```

10   \c__letgut_Lettre_plain_tl~\c_space_tl \c__letgut_gutenberg_tl
11   }
12   \tl_const:Nn \c__letgut_Lettre_gutenberg_tl {
13     \c__letgut_Lettre_tl~\c_space_tl \c__letgut_gutenberg_tl
14   }
15   \tl_const:Nn \c__letgut_la_lettre_gutenberg_plain_tl {
16     la~ \c__letgut_Lettre_gutenberg_plain_tl
17   }
18   \tl_const:Nn \c__letgut_la_lettre_gutenberg_tl {
19     la~ \c__letgut_Lettre_gutenberg_tl
20   }
21   \tl_const:Nn \c__letgut_La_lettre_gutenberg_tl {
22     \text_titlecase_first:n \c__letgut_la_lettre_gutenberg_tl
23   }
24   \ExplSyntaxOff

```

Now, we can announce the class name and its version :

```

1   \ProvidesExplClass{letgut}
2   {2024-10-23}
3   {0.9.11}
4   {
5     Class for the newsletter “The GUTenberg Letter”
6   }

```

## Messages

We specify the messages come from a class, which is letgut (see <https://github.com/latex3/latex3/issues/887>).

```

1   \prop_gput:Nnn \g_msg_module_type_prop { letgut } { Class }

```

Some messages are declared for future use.

```

1   \msg_new:nnn{letgut}{Wrong~engine}{
2     The~ letgut~ class~ requires~ LuaTeX.\\
3     You~ must~ change~ your~ typesetting~ engine~ to~
4     “lualatex”~ instead~ of~ “latex”~ or~ “pdflatex”
5     or~ “xelatex”.
6   }
7   \msg_new:nnn{letgut}{Existing~command}{
8     The~ command~ \c_backslash_str \text_lowercase:n{#1}~
9     already~ exists~ and~ has~ not~ be~ overwritten~ by~
10    \token_to_str:N \letgutacro{#1}{...}.~
11    The~ corresponding~ acronym~ has~ to~ be~ used~ e.g.~
12    like~ this:~
13    \token_to_str:N \ac{ \text_lowercase:n{#1} }.
14  }
15  \msg_new:nnn{letgut}{Not~month~iso~date}{
16    The~ supplied~ date~(“#1”)~ isn't~ at~ the~ month~ iso~
17    date~ format~ (YYYY-MM):~ it~ will~ be~ printed~ as~
18    it~ is.
19  }
20  \msg_new:nnn{letgut}{Banner~file~not~provided}{
21    No~ ‘\c__letgut_banner_file_tl.pdf’~ file~ provided:~
22    the~ banner~ will~ be~ automatically~ created.

```

```

23 }
24 \msg_new:nnn{letgut}{Editorial~file~missing}{
25   File~`\c__letgut_editorial_file_tl.tex'~missing!~
26   The~ editorial~ will~ be~ missing.
27 }
28 \msg_new:nnn{letgut}{Informations~file~missing}{
29   File~`\c__letgut_informations_gutenberg_file_tl.tex'~
30   missing!~ The~ informations~ about~
31   \c__letgut_gutenberg_tl\c_space_tl~ will~ be~ missing.
32 }
33 \msg_new:nnn{letgut}{pagecolor~inoperative~with~paper~option}{
34   The~ `pagecolor=#1'~ option~ is~ inoperative~ with~ the~ `paper'~
35   option:~ the~ color~ of~ the~ page~ will~ remain~ white.
36 }
37 \msg_new:nnn{letgut}{frontcover-missing}{
38   You~ didn't~ use~ the~ `frontcover'~ option~ for~ the~
39   bookreview~ "#1",~ so~ the~ book~ cover~image~ will~ be~ missing:~
40   are~ you~ sure?
41 }
42 \msg_new:nnn{letgut}{frontcover-file-not-found}{
43   The~ book~ cover~ image~ `#2'~ you~ specified~ via~ the~
44   `frontcover'~ option~ for~ the~ bookreview~ "#1"~ cannot~ be~ found.
45 }

```

## Engine checking

```

1 \sys_if_engine luatex:F {
2   \msg_fatal:nn{letgut}{Wrong~engine}
3 }

```

## Declarations

### 1. Scratch variables

```

1 \bool_new:N \g__letgut_tmpa_bool
2 \bool_new:N \g__letgut_tmpb_bool
3 \box_new:N \g__letgut_tmpa_box
4 \box_new:N \g__letgut_tmpb_box
5 \clist_new:N \g__letgut_tmpa_clist
6 \clist_new:N \g__letgut_tmpb_clist
7 \coffin_new:N \g__letgut_tmpa_coffin
8 \coffin_new:N \g__letgut_tmpb_coffin
9 \dim_new:N \g__letgut_tmpa_dim
10 \dim_new:N \g__letgut_tmpb_dim
11 \fp_new:N \g__letgut_tmpa_fp
12 \fp_new:N \g__letgut_tmpb_fp
13 \int_new:N \g__letgut_tmpa_int
14 \int_new:N \g__letgut_tmpb_int
15 \ior_new:N \g__letgut_tmpa_ior
16 \ior_new:N \g__letgut_tmpb_ior
17 \iow_new:N \g__letgut_tmpa_iow
18 \iow_new:N \g__letgut_tmpb_iow
19 \muskip_new:N \g__letgut_tmpa_muskip
20 \muskip_new:N \g__letgut_tmpb_muskip

```

```

21 \prop_new:N \g__letgut_tmpa_prop
22 \prop_new:N \g__letgut_tmpb_prop
23 \regex_new:N \g__letgut_tmpa_regex
24 \regex_new:N \g__letgut_tmpb_regex
25 \seq_new:N \g__letgut_tmpa_seq
26 \seq_new:N \g__letgut_tmpb_seq
27 \skip_new:N \g__letgut_tmpa_skip
28 \skip_new:N \g__letgut_tmpb_skip
29 \str_new:N \g__letgut_tmpa_str
30 \str_new:N \g__letgut_tmpb_str
31 \tl_new:N \g__letgut_tmpa_tl
32 \tl_new:N \g__letgut_tmpb_tl
33 \bool_new:N \l__letgut_tmpa_bool
34 \bool_new:N \l__letgut_tmpb_bool
35 \box_new:N \l__letgut_tmpa_box
36 \box_new:N \l__letgut_tmpb_box
37 \clist_new:N \l__letgut_tmpa_clist
38 \clist_new:N \l__letgut_tmpb_clist
39 \coffin_new:N \l__letgut_tmpa_coffin
40 \coffin_new:N \l__letgut_tmpb_coffin
41 \dim_new:N \l__letgut_tmpa_dim
42 \dim_new:N \l__letgut_tmpb_dim
43 \fp_new:N \l__letgut_tmpa_fp
44 \fp_new:N \l__letgut_tmpb_fp
45 \int_new:N \l__letgut_tmpa_int
46 \int_new:N \l__letgut_tmpb_int
47 \ior_new:N \l__letgut_tmpa_ior
48 \ior_new:N \l__letgut_tmpb_ior
49 \iow_new:N \l__letgut_tmpa_iow
50 \iow_new:N \l__letgut_tmpb_iow
51 \muskip_new:N \l__letgut_tmpa_muskip
52 \muskip_new:N \l__letgut_tmpb_muskip
53 \prop_new:N \l__letgut_tmpa_prop
54 \prop_new:N \l__letgut_tmpb_prop
55 \regex_new:N \l__letgut_tmpa_regex
56 \regex_new:N \l__letgut_tmpb_regex
57 \seq_new:N \l__letgut_tmpa_seq
58 \seq_new:N \l__letgut_tmpb_seq
59 \skip_new:N \l__letgut_tmpa_skip
60 \skip_new:N \l__letgut_tmpb_skip
61 \str_new:N \l__letgut_tmpa_str
62 \str_new:N \l__letgut_tmpb_str
63 \tl_new:N \l__letgut_tmpa_tl
64 \tl_new:N \l__letgut_tmpb_tl

```

## Booleans

— For testing the emptiness of the title.

```
1 \bool_new:N \g__letgut_title_empty_bool
```

— For the paper (or not) output.

```
1 \bool_new:N \g__letgut_paper_bool
```

— For testing whether we currently are in a footnote or not.

```
1 \bool_new:N \l__letgut_in_footnote_bool
```

— For testing whether we currently ask the draft or the final version.

```
1 \bool_new:N \g__letgut_draft_bool
```

— For the included files to (not) be attached.

```
1 \bool_new:N \g__letgut_included_files_attached_bool
```

— For the acronym definitions file to (not) be attached.

```
1 \bool_new:N \g__letgut_acronyms_file_attached_bool
```

— For the listings language file to (not) be attached.

```
1 \bool_new:N \g__letgut_lstlanguage_file_attached_bool
```

## Dimensions

— Geometry of the document

```
1 \dim_const:Nn \c__letgut_textheight_dim { 25cm }
```

```
2 \dim_const:Nn \c__letgut_textwidth_dim { 14cm }
```

```
3 \dim_const:Nn \c__letgut_lmargin_dim { 5cm }
```

```
4 \dim_const:Nn \c__letgut_tmargin_dim { 2.92cm }
```

```
5 % \dim_const:Nn \c__letgut_tmargin_dim { 3cm }
```

```
6 \dim_const:Nn \c__letgut_head_dim { 0.6cm }
```

```
7 \dim_const:Nn \c__letgut_headsep_dim { 0.82cm }
```

```
8 % \dim_const:Nn \c__letgut_headsep_dim { 0.9cm }
```

```
9 \dim_const:Nn \c__letgut_marginparwidth_dim { 3.74cm }
```

— Horizontal offset of the headers and the sections titles :

```
1 \dim_const:Nn \c__letgut_hoffset_dim { 3cm }
```

```
2 \dim_const:Nn \c__letgut_title_hoffset_dim {
```

```
3   -\c__letgut_hoffset_dim
```

```
4 }
```

```
5 \dim_const:Nn \c__letgut_subtitle_hoffset_dim {
```

```
6   \c__letgut_title_hoffset_dim
```

```
7 }
```

```
8 \dim_const:Nn \c__letgut_section_hoffset_dim {
```

```
9   \c__letgut_title_hoffset_dim + 1cm
```

```
10 }
```

```
11 \dim_const:Nn \c__letgut_subsection_hoffset_dim {
```

```
12   \c__letgut_title_hoffset_dim + 1.5cm
```

```
13 }
```

```
14 \dim_const:Nn \c__letgut_subsubsection_hoffset_dim {
```

```
15   \c__letgut_title_hoffset_dim + 2cm
```

```
16 }
```

```
17 \dim_const:Nn \c__letgut_paragraph_hoffset_dim {
```

```
18   \c__letgut_title_hoffset_dim + 2.5cm
```

```
19 }
```

```
20 \dim_const:Nn \c__letgut_subparagraph_hoffset_dim {
```

```
21   \c__letgut_title_hoffset_dim + 3cm
```

```
22 }
```

— Distance between the baseline of the header text and the decorative line :

```
1 \dim_const:Nn \c__letgut_head_rule_skip_dim { 0.115cm }
```

— Head rule width :

```
1 \dim_const:Nn \c__letgut_head_rule_width_dim { 0.03cm }
```

— Dimensions of the banner.

— Thickness of the “L”.

```
1 \dim_const:Nn \c__letgut_banner_thickness_dim { 4cm }
```

— Height of the “L” (that of the text area plus 3cm).

```
1 \dim_const:Nn \c__letgut_banner_height_dim {
2   \c__letgut_textheight_dim
3   +
4   3cm
5 }
```

— Height of the membership reminder box.

```
1 \dim_new:N \g__letgut_membership_reminder_box_height_dim
```

— Horizontal space for the frontcover in the margin in book reviews.

```
1 \dim_const:Nn \c__letgut_bookreview_frontcover_margin_sep_dim {
2   4mm
3 }
```

— Dimensions used by the listings and the examples.

```
1 \dim_const:Nn \c__letgut_height_mentions_dim { 5mm }
2 \dim_const:Nn \c__letgut_from_left_boundingbox_to_text_dim { 5.5mm }
3 \dim_const:Nn \c__letgut_number_offset_dim { 1mm }
4 \dim_const:Nn \c__letgut_number_sep_dim {
5   \c__letgut_from_left_boundingbox_to_text_dim
6   +
7   \c__letgut_number_offset_dim
8 }
```

### Skips (lengths with rubber components)

The following skips, borrowed from the standard classes, are specified in ex unit, which depends on the font used and hence have to be specified after the class has been loaded; in fact, we postpone this at the end of the preamble, when the font is specified (thanks to `\setmainfont`).

```
1 \AddToHook{begindocument/before}{%
```

Before and after :

— “titles titles” :

```
1 \skip_const:Nn \c__letgut_before_title_title_skip
2 {
3   3.5ex plus 1ex minus .2ex
4 }
5 \skip_const:Nn \c__letgut_after_title_title_skip
6 {
7   2.3ex plus .2ex
8 }
```

— subtitles titles :

```
1 \skip_const:Nn \c__letgut_before_subtitle_title_skip
2 {
3   \c__letgut_before_title_title_skip
4 }
5 \skip_const:Nn \c__letgut_after_subtitle_title_skip
6 {
7   \c__letgut_after_title_title_skip
8 }
```

— sections titles :



```

1  \skip_const:Nn \c__letgut_before_section_title_skip
2  {
3    3.25ex plus 1ex minus .2ex
4  }
5  \skip_const:Nn \c__letgut_after_section_title_skip
6  {
7    1.5ex plus .2ex
8  }

— subsections titles (identical to the sections ones) :
1  \skip_const:Nn \c__letgut_before_subsection_title_skip
2  {
3    \c__letgut_before_section_title_skip
4  }
5  \skip_const:Nn \c__letgut_after_subsection_title_skip
6  {
7    \c__letgut_after_section_title_skip
8  }

— paragraphs titles :
1  \skip_const:Nn \c__letgut_before_subsubsection_title_skip
2  {
3    1.5ex plus .5ex minus .2ex
4  }
5  \skip_const:Nn \c__letgut_after_subsubsection_title_skip
6  {
7    0.75ex plus 0.1ex
8  }

— paragraphs titles (identical to the subsubsection ones) :
1  \skip_const:Nn \c__letgut_before_paragraph_title_skip
2  {
3    \c__letgut_before_subsubsection_title_skip
4  }
5  \skip_const:Nn \c__letgut_after_paragraph_title_skip
6  {
7    \c__letgut_after_subsubsection_title_skip
8  }

— subparagraphs titles (identical to the paragraph ones) :
1  \skip_const:Nn \c__letgut_before_subparagraph_title_skip
2  {
3    \c__letgut_before_paragraph_title_skip
4  }
5  \skip_const:Nn \c__letgut_after_subparagraph_title_skip
6  {
7    \c__letgut_after_paragraph_title_skip
8  }

```

We close the `\AddToHook{begindocument/before}` argument.

```
1  }
```

## Integers

```
1  \int_new:N \g__letgut_ltx_example_int
```

## Strings

```

1 \str_new:N \g__letgut_label_ltx_example_str
2 \str_new:N \g__letgut_callout_label_ltx_example_str
3 \str_const:Nn \c__letgut_label_ltx_example_str {
4   __letgut_label_ltx_example
5 }
6 \str_const:Nn \c__letgut_callout_label_ltx_example_str {
7   __letgut_callout_label_ltx_example
8 }

```

## Token lists

### 1. Constant ones

```

1 \tl_const:Nn \c__letgut_online_issn_tl {
2   2742-6149~ (version~ numérique)
3 }
4 \tl_const:Nn \c__letgut_paper_issn_tl {
5   -12572217~ (version~ papier)
6 }
7 \tl_const:Nn \c__letgut_cahier_tl { \emph{ Cahier } }
8 \tl_const:Nn \c__letgut_cahiers_tl {
9   \c__letgut_cahier_tl \emph{ s }
10 }
11 \tl_const:Nn \c__letgut_gnu_linux_tl { \software{GNU/Linux} }
12 \tl_const:Nn \c__letgut_macOS_tl { \software{macOS} }
13 \tl_const:Nn \c__letgut_windows_tl { \software{Windows} }
14 \tl_const:Nn \c__letgut_package_tl { package }
15 \tl_const:Nn \c__letgut_class_tl { classe }
16 \tl_const:Nn \c__letgut_file_tl { fichier }
17 \tl_const:Nn \c__letgut_software_tl { logiciel }
18 \tl_const:Nn \c__letgut_tugboat_tl { \emph{ TUGboat } }
19 \tl_const:Nn \c__letgut_tex_live_tl {
20   \hologo{ TeX } \nobreakspace Live
21 }
22 \tl_const:Nn \c__letgut_banner_file_tl { bandeau }
23 \tl_const:Nn \c__letgut_editorial_file_tl { editorial }
24 \tl_const:Nn \c__letgut_informations_gutenberg_file_tl {
25   informations-gut
26 }
27 \tl_const:Nn \c__letgut_acronyms_file_tl { letgut-acronyms }
28 \tl_const:Nn \c__letgut_local_config_file_tl { localconf }
29 \tl_const:Nn \c__letgut_pre_documentclass_file_tl {
30   pre-documentclass }
31 \tl_const:Nn \c__letgut_lstlanguage_file_tl { letgut-lstlang.sty }
32 \tl_const:Nn \c__letgut_contents_name_tl { Sommaire }
33 \tl_const:Nn \c__letgut_draftwatermark_text_tl {
34   \textnormal{Brouillon}
35 }
36 \tl_const:Nn \c__letgut_membership_reminder_tl {
37   {\LARGE
38     \bfseries
39     Avez-vous~ pensé~ à~ régler~ votre~ cotisation~ ?
40     % \the\year~ ?

```

```

40     \par
41     \medskip
42 }
43 Si~ vous~ avez~ oublié,~ ce~ n'est~ ni~ trop~ tard~
44 ni~ difficile~ :
45 \par
46 \url{https://www.gutenberg-asso.fr/?Adherer-en-ligne}
47 \bool_if:NT \g__letgut_informations_bool {
48     \file_if_exist:nT
49     {./\c__letgut_informations_gutenberg_file_tl}{
50         \par
51         Voir~ aussi~ page~ \pageref{letgut_label_adhesions}.
52     }
53 }
54 }
55 \tl_const:Nn \c__letgut_missing_editorial_tl {
56     Ne~ pas~ omettre~ l'éditorial~ !\\(à~ faire~ figurer~
57     dans~ un~ \file*{\c__letgut_editorial_file_tl.tex}~
58     dans~ le~ dossier~ courant)
59 }
60 \tl_const:Nn \c__letgut_missing_infomations_tl {
61     Ne~ pas~ omettre~ les~ informations~ sur~
62     \c__letgut_gutenberg_tl{}~ !\\(dans~ un~
63     \file*{\c__letgut_informations_gutenberg_file_tl.tex}~
64     situé~ soit~ dans~ le~ dossier~ courant, soit~ dans~ le~
65     dossier~ parent)
66 }
67 \tl_const:Nn \c__letgut_default_alert_box_color_tl {
68     gray9
69 }
70 \tl_const:Nn \c__letgut_default_allcolors_links_color_tl
71 {
72     teal!60!black
73 }

```

## 2. Variables ones

```

1 \tl_new:N \g__letgut_mark_tl
2 \tl_new:N \g__letgut_title_tl
3 \tl_new:N \l_letgut_last_name_tl
4 \tl_new:N \l_letgut_first_name_tl
5 \tl_new:N \l_letgut_title_tl
6 \tl_new:N \l__letgut_title_addon_tl
7 \tl_new:N \l__letgut_reference_text_tl
8 \tl_new:N \g__letgut_effective_acronyms_file_tl
9 \tl_new:N \l__letgut_toc_title_announce_tl
10 \tl_new:N \l__letgut_toc_color_announce_tl

```

## Comma separated lists

```

1 \clist_new:N \g__letgut_pagecolor_clist
2 \clist_const:Nn \c__letgut_default_pagecolor_screen_clist
3 {1.0, 0.98, 0.94}
4 \clist_const:Nn \c__letgut_default_pagecolor_paper_clist
5 {1, 1, 1}

```

## Sequences

```

1 \seq_new:N \l__letgut_first_last_names_items_seq
2 \seq_new:N \g__letgut_included_files_seq
3 \seq_new:N \g__letgut_added_bib_resources_seq

```

## Class options

We define the 2 load time options for the target audience :

- for-readers (the default), for the “normal” “Lettre”,
- for-authors, (only) the author(s) of an article of the “Lettre”.

## Date handling

```

1 \int_new:N \g__letgut_date_month_int
2 \int_new:N \g__letgut_date_year_int
3
4 \int_gset:Nn \g__letgut_date_month_int {\the\month}
5 \int_gset:Nn \g__letgut_date_year_int {\the\year}
6
7 \tl_new:N \g__letgut_date_month_tl
8 \tl_new:N \g__letgut_date_tl
9
10 \cs_new_protected:Npn \__letgut_date_parse:n #1
11 {
12   \__letgut_if_is_iso_date:nTF {#1}
13   {
14     \__letgut_date_parse:www #1 \q_stop
15   }{
16     \msg_term:nnn{letgut}{Not~month~iso~date}{#1}
17     \tl_gset:Nn \g__letgut_date_tl { #1 }
18   }
19 }
20
21 \prg_new_protected_conditional:Npnn
22 \__letgut_if_is_iso_date:n #1 { T, F, TF }
23 {
24   \regex_match:nnTF { ^\d{4}-(\d{1,2}) } {#1}
25   { \prg_return_true: }
26   { \prg_return_false: }
27 }
28
29 \prg_new_protected_conditional:Npnn
30 \__letgut_if_is_int:n #1 { T, F, TF }
31 {
32   \regex_match:nnTF { ^[\+|-]?[\d]+$ } {#1}
33   { \prg_return_true: }
34   { \prg_return_false: }
35 }
36
37 \cs_new_protected:Npn \__letgut_month_name:n #1
38 {
39   % \text_titlecase_first:n {

```

```

40     \int_case:nnF
41     { #1 }
42     {
43         { 1 }{ janvier }
44         { 2 }{ février }
45         { 3 }{ mars }
46         { 4 }{ avril }
47         { 5 }{ mai }
48         { 6 }{ juin }
49         { 7 }{ juillet }
50         { 8 }{ août }
51         { 9 }{ septembre }
52         { 10 }{ octobre }
53         { 11 }{ novembre }
54         { 12 }{ décembre }
55     }
56     { Month~ Error! }
57     % }
58 }
59
60 \cs_new_protected:Npn \__letgut_date_parse:www #1-#2
61 \q_stop
62 {
63     \int_compare:nTF
64     {
65         \the\year <= #1 <= \the\year+1
66     }{
67         \int_gset:Nn \g__letgut_date_year_int {#1}
68     }{
69         \int_gset:Nn \g__letgut_date_year_int {\the\year}
70     }
71     \__letgut_if_is_int:nTF {#2}
72     {
73         \int_compare:nTF
74         {
75             1 <= #2 <= 12
76         }
77         {
78             \int_gset:Nn \g__letgut_date_month_int {#2}
79             \int_gset:Nn \g__letgut_date_month_int {\the\month}
80         }{
81             \int_gset:Nn \g__letgut_date_month_int {\the\month}
82         }
83         \tl_gset:Nn \g__letgut_date_month_tl {
84             \__letgut_month_name:n { \g__letgut_date_month_int }
85         }
86         \tl_gset:Nn \g__letgut_date_tl {
87             \tl_use:N \g__letgut_date_month_tl
88             \c_space_tl
89             \int_use:N \g__letgut_date_year_int
90         }
91     }
92 }

```

## Class and package loading

The classe `letgut` is based on the `article` class. It is by default two sided because of the alternating headers, and will be typeset with 11pt as global font size.

```
1 \LoadClass[twoside,11pt]{article}
```

We now load some packages.

- The classe `letgut` will have to be used with LuaLaTeX. Hence the font selection package for XeLaTeX and LuaLaTeX.

```
1 \RequirePackage{fontspec}
```

- For subliminal refinements towards typographical perfection.

```
1 \RequirePackage[
2   , stretch=30
3   , shrink=25
4   , letterspace=150
5 ]{microtype}
```

- Help in implementing paragraph layouts where the paragraphs are separated by a vertical space instead of (or in addition to) indenting them.

```
1 \RequirePackage{parskip}
```

- Extensive control of page headers and footers in L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>.

```
1 \RequirePackage{fancyhdr}
```

- Flexible and complete interface to document dimensions.

```
1 \RequirePackage[a4paper]{geometry}
```

- Enhanced support for graphics.

```
1 \RequirePackage{graphicx}
```

- Biolinum font.

```
1 \RequirePackage{biolinum}
```

- Extending the array and tabular environments.

```
1 \RequirePackage{array}
```

- Completely customisable TOCs.

```
1 \RequirePackage{etoc}
```

- Control layout of itemize, enumerate, description, and design our own lists.

```
1 \RequirePackage{enumitem}
```

- Select alternative section titles.

```
1 \RequirePackage{titlesec}
```

- Driver-independent color extensions.

```
1 \RequirePackage[table]{xcolor}
```

- Several logos and ornaments.

```
1 \RequirePackage{fourier-orns}
```

- Drawing of Vectorian ornaments.

```
1 \RequirePackage{pgfornament}
```

- Control float placement.

```
1 \RequirePackage[section,above]{placeins}
```

- Sophisticated verbatim text.

```
1 \RequirePackage{fancyvrb}
```

- Publication quality tables in L<sup>A</sup>T<sub>E</sub>X.

```
1 \RequirePackage{booktabs}
```

- Context sensitive quotation facilities.

```
1 \RequirePackage{csquotes}
```

— Mathematical tools to use with (and which loads) `amsmath`.

```
1 \RequirePackage[fleqn]{mathtools}
```

— Better accessibility support for PDF files. This package is used because we want the material added to the background (banner on the first page and draft watermark) to be not selectable in order to let the reader who wants to copy the interesting text be able to select it.

```
1 \RequirePackage{accsupp}
```

— A comprehensive (SI) units package.

```
1 \RequirePackage{siunitx}
```

— Additional T<sub>E</sub>X-family logos (which loads and extends `hologo` which is collection of logos with bookmark support).

```
1 \RequirePackage{bxtexlogo}
```

— Coloured boxes, for L<sup>A</sup>T<sub>E</sub>X examples and theorems, etc.

```
1 \RequirePackage{tcolorbox}
```

— Compile T<sub>E</sub>X code stand-alone or as part of a document.

```
1 \RequirePackage[group=false, subpreambles, sort]{standalone}
```

— Attach arbitrary files to a PDF document.

```
1 \RequirePackage[icon=Paperclip]{attachfile2}
```

— Expandable macros to extract the data from references and allow counter assignments or calculations.

```
1 \RequirePackage{refcount}
```

— Select colors with proper WCAG color contrast.

```
1 \RequirePackage{ninecolors}
```

— Typeset tabulars and arrays with LaTeX3 (for the alert boxes typeset as simple tabulars).

```
1 \RequirePackage{tabularray}
```

— Multilingual support for Plain T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X.

```
1 \RequirePackage[english, french]{babel}
```

— Intelligent page references.

```
1 \RequirePackage[nospace, french]{varioref}
```

— Macros for Euro sign.

```
1 \RequirePackage[right]{eurosym}
```

— Typeset source code listings using L<sup>A</sup>T<sub>E</sub>X.

```
1 \RequirePackage{listings}
```

— Modifying the layout of floats.

```
1 \RequirePackage{floatrow}
```

— Sophisticated Bibliographies in L<sup>A</sup>T<sub>E</sub>X.

```
1 \RequirePackage[
2   sorting=none,
3   datamodel=letgut,
4   citestyle=letgut
5 ]{biblatex}
```

— Typeset acronyms.

```
1 \RequirePackage{acro}
```

— Allow URL breaks at any alphanumerical character.

```
1 \RequirePackage{xurl}
```

The following packages have to be the last ones loaded. So we ensure this by loading them just before the beginning of the document :

```
1 \AddToHook{begindocument/before}{

    — Extensive support for hypertext in LATEX
1   \RequirePackage{hyperref}
    — Adjusting the anchors of captions
1   \RequirePackage[all]{hypcap}
    — Intelligent cross-referencing
1   \RequirePackage[french]{cleveref}
```

We close the `\AddToHook{begindocument/before}` argument.

```
1 }
```

### Settings for the loaded packages

— We switch to the French typographic conventions for `siunitx`.

```
1 \sisetup{
2   , locale=FR
3   , mode=match
4 }
```

— Concerning floats, we ask :

- the caption text will be justified,
- the figures and their captions to be boxed (in order to distinguish them from the current text),
- the tables to have their captions above them.

```
1 \DeclareMarginSet{hangleft}{
2   \setfloatmargins{\hskip-\c__letgut_hoffset_dim}{\hfil}
3 }
4 \DeclareFloatVCode{__letgut_ruleabove}{
5   \par\rule{\hsize}{.8pt}\vskip4pt\par
6 }
7 \DeclareFloatVCode{__letgut_rulebelow}{
8   \par\vskip2pt\rule{\hsize}{.8pt}\par
9 }
10 \DeclareFloatStyle{__letgut_ruled}{
11   precode=__letgut_ruleabove,
12   postcode=__letgut_rulebelow,
13   % heightadjust=all,
14   floatwidth=.8\linewidth
15 }
16 \floatsetup{objectset=justified}
17 \floatsetup[figure]{
18   style=__letgut_ruled,
19   margins=hangleft,
20   capposition=beside,
21   capbesideposition={top,left},
22   floatwidth=0.85\textwidth
23 }
24 \floatsetup[table]{capposition=top}
```

Moreover, the tables will be entitled « tableau » instead of « table ».



```

1 \renewcommand*\frenchtablename{Tableau}
— We load a tabularray’s library.
1 \UseTblrLibrary{booktabs}
— The \printbibliography command is redefined in order its heading is by
  default set to subbibliography.
1 \NewCommandCopy{\__letgut_old_printbibliography}{
2 \printbibliography
3 }
4 \RenewDocumentCommand {\printbibliography} { 0{} } {
5 \phantomsection
6 \__letgut_old_printbibliography[#1]
7 \bool_if:NT \g__letgut_included_files_attached_bool {
8 \seq_map_inline:Nn \g__letgut_added_bib_resources_seq {
9 \seq_gput_right:Nn \g__letgut_included_files_seq {
10 \attachfile[
11 description={
12 Fichier~ bibliographique~ utilisé~ dans~ le~
13 présent~ article~ (fichier~ '\tl_to_str:n{##1}')}
14 },
15 mimetype=application/x-bib
16 ]
17 {\tl_to_str:n{##1}}
18 }
19 }
20 }
21 }

```

For printing the bibliography, we define two new bibheadings for the structure levels `\title` and `\subtitle`.

```

1 \defbibheading{title}{\refname}{%
2 \title{#1}}
3 \defbibheading{subtitle}{\refname}{%
4 \subtitle{#1}}

```

— The acronyms will be typeset in its short form, with small caps shape. When they are (English) foreign, it will be specified and the translation will be added.

```

1 \acsetup{
2 first-style=short,
3 format/short = {\scshape},
4 format/foreign = {\em},
5 foreign/display,
6 locale/format = {\upshape},
7 locale/display,
8 make-links = true,
9 link-only-first = true
10 }

```

We currently have to work around an acro bug (see <https://tex.stackexchange.com/q/661966/18401>).

```

1 \AddToHook{cmd/printacronyms/before}{\bool_set_false:N
  \l__acro_link_only_first_bool}

```

In case the long form of an acronym is explicited in footnote, we want this footnot to be ended with a period.

```
1 \ProvideDocumentCommand \acroendfootnote {} {} {.
```

The following settings for packages that have to be the last ones loaded are also done just before the beginning of the document.

- (Temporary?) workaround that moves ‘standalone’ code in hook ‘begindocument’ to ‘begindocument/before’ in order to get rid of the issue <https://tex.stackexchange.com/q/670638/18401>.

```
1 \RemoveFromHook{begindocument}[standalone]
2 \ExpandArgs{nv}\AddToHook{begindocument/before}{l__hook_return_tl}
1 \AddToHook{begindocument/before}{
```

- We want the hyperlinks to be as unobtrusive as possible.

```
1 \bool_if:NTF \g__letgut_paper_bool {
2   \hypersetup{hidelinks}
3 }{
4   \hypersetup{%
5     colorlinks,%
6     allcolors={\letgut_allcolors_links},%
7   }%
8 }
```

A preset of acronyms is input (if found, firstly in the current directory, secondly in the parent directory, thirdly in the TDS).

```
1 \file_if_exist:NTF {./\c__letgut_acronyms_file_tl}{
2   \tl_gset:Nn \g__letgut_effective_acronyms_file_tl {./
3     \c__letgut_acronyms_file_tl}
4 }{
5   \file_if_exist:NTF {../\c__letgut_acronyms_file_tl}{
6     \tl_gset:Nn \g__letgut_effective_acronyms_file_tl {../
7       \c__letgut_acronyms_file_tl}
8   }{
9     \file_if_exist:NT {\c__letgut_acronyms_file_tl}{
10      \tl_gset:Nn \g__letgut_effective_acronyms_file_tl {
11        \c__letgut_acronyms_file_tl}
12    }
13 }
14 \input {\g__letgut_effective_acronyms_file_tl}
```

- Depending on some chosen class options, some packages have to be loaded, notably before package `hyperref` is loaded, and actions are taken accordingly.

- If the ‘draft’ mode (default) is on, we load the package `lua-typo` which highlights typographical flaws with LuaLaTeX. For the moment,

the package `lua-typo` isn’t loaded since the ‘luacolor’ package it loads

currently does not work well in shipout/background (see <https://github.com/ho-tex/luacolor/issues/4>).

```
1 % % \bool_if:NF \g__letgut_paper_bool {
2 \bool_if:NT \g__letgut_draft_bool {
3   % \RequirePackage[All]{lua-typo}
4   \AddToHook{shipout/background}
5   {
6     \__letgut_unselectable:n {
```

```

7         \put(0.5\paperwidth,-0.5\paperheight)
8         {
9             \Huge

```

Currently, we can't use l3color's `\color_fill:n` (see <https://github.com/ho-tex/luacolor/issues/4#issuecomment-848774260>) and we have to rely on xcolor's `\color`.

```

1 % \color_fill:n {black!10}
2 \color{black!10}
3 \hbox_set:Nn \l__letgut_tmpa_box {
4     \fontsize{0.25\paperwidth}{0.3\paperwidth}
5     \selectfont
6     \c__letgut_draftwatermark_text_tl
7 }
8 \hbox_set:Nn \l__letgut_tmpb_box {
9     \hbox_overlap_center:n {
10         \box_use:N \l__letgut_tmpa_box
11     }
12 }

```

The draft watermark is rotated in order to be parallelly slanted to the first diagonal of the page (angle = arctan(paper height/paper width)).

```

1 \box_rotate:Nn \l__letgut_tmpb_box {
2     \fp_eval:n {
3         atand (
4             \dim_to_fp:n {\paperheight}
5             /
6             \dim_to_fp:n {\paperwidth}
7         )
8     }
9 }
10 \box_use:N \l__letgut_tmpb_box
11 }
12 }
13 }

```

Moreover, we want all the overfull boxes to be shown (as with draft option of the standard classes).

```

1 \setlength\overfullrule{5pt}
2 }
3 % % }

```

We close the `\AddToHook{begindocument/before}` argument.

```

1 }

```

## Page color default settings

By default, the page color will be the one linked to the screen option.

```

1 \pagecolor[rgb]{\c__letgut_default_pagecolor_screen_clist}
2 \clist_set_eq:NN \g__letgut_pagecolor_clist
3 \c__letgut_default_pagecolor_screen_clist

```

## Options

We now define the options of the class :

- for-readers~/~for-authors, depending on the target audience,
- draft~/~final depending on the state of the document,
- **paper**~/~screen depending on the way the document will be read,
- number for the number of the issue,
- date for the date of the issue, either empty (hence the current (month) date) or at the format YYYY-MM or as free input,
- pagecolor (relevant only with the (default) screen load time option) for a color of the page other than the default one (used behind the scene by the letgut-banner package),
- watermark **letter** for another letter than the “g” in watermark,
- watermark scale for the case the letter in watermark is too big,
- allcolorlinks for the color of (all) the links,
- membership-reminder that typesets a membership reminder on the first page,
- editorial depending on the editorial is wanted or not,
- informations depending on the GUTenberg informations are wanted or not,
- detailedtoc depending on the automatic ToC is wanted maximally (until subparagraphs) detailed or not.

```

1 \keys_define:nn { letgut }
2 {
3   , for-readers .bool_gset:N = \g__letgut_for_readers_bool
4   , for-readers .initial:n = { true }
5   , for-authors .bool_gset_inverse:N = \g__letgut_for_readers_bool
6   , draft .bool_gset:N = \g__letgut_draft_bool
7   , draft .initial:n = { true }
8   , draft .default:n = { true }
9   , final .bool_gset_inverse:N = \g__letgut_draft_bool
10  , paper .code:n = {
11    \bool_gset_true:N \g__letgut_paper_bool
12    \pagecolor[rgb]{\c__letgut_default_pagecolor_paper_clist}
13    \clist_set_eq:NN \g__letgut_pagecolor_clist
14    \c__letgut_default_pagecolor_paper_clist
15  }
16  , screen .code:n = {
17    \bool_gset_false:N \g__letgut_paper_bool
18  }
19  , number .int_gset:N = \g__letgut_number_int
20  , date .code:n = { \__letgut_date_parse:n { #1 } }
21  , date .initial:x = {\the\year-\the\month}
22  , pagecolor .initial:V
23    = \c__letgut_default_pagecolor_screen_clist
24  , pagecolor .code:n = {
25    \definecolor{letgut_pagecolor}{rgb}{#1}
26    \AddToHook{begindocument/before}
27    {
28      \bool_if:NTF \g__letgut_paper_bool {
29        \msg_warning:nnn{letgut}{
30          pagecolor~inoperative~with~paper~option

```

```

31         }{#1}
32     }{
33         \clist_gset:Nn \g__letgut_pagecolor_clist { #1 }
34         \pagecolor[rgb]{#1}
35     }
36 }
37 }
38 , watermark~ letter .tl_gset:N = \g__letgut_watermark_letter_tl
39 , watermark~ letter .initial:n = g
40 , watermark~ scale .tl_gset:N = \g__letgut_watermark_scale_tl
41 , watermark~ scale .initial:n = 1
42 , allcolorslinks .code:n = {
43     \colorlet{letgut_allcolorslinks}{#1}}
44 , allcolorslinks .initial:V
45     = \c__letgut_default_allcolorslinks_color_tl
46 , membership-reminder .bool_gset:N
47     = \g__letgut_membership_reminder_bool
48 , membership-reminder .initial:n = { true }
49 , editorial .bool_gset:N = \g__letgut_editorial_bool
50 , editorial .initial:n = { true }
51 , informations .bool_gset:N = \g__letgut_informations_bool
52 , informations .initial:n = { true }
53 , detailedtoc .str_gset:N = \g__letgut_detailedtoc_level_str
54 , detailedtoc .default:n = 5
55 , detailedtoc .initial:n = 0
56 , reverse-files-attachement .code:n = {
57     \AddToHook{begindocument/before}{
58         \bool_lazy_and:nnTF {\g__letgut_for_readers_bool} {!
59         \g__letgut_paper_bool}
60         {
61             \bool_gset_false:N \g__letgut_included_files_attached_bool
62         }{
63             \bool_gset_true:N \g__letgut_included_files_attached_bool
64         }
65     }
66 }
67 \ProcessKeyOptions[ letgut ]
68 \AddToHook{begindocument/before}{
69     \bool_lazy_and:nnTF {\g__letgut_for_readers_bool} {!
70     \g__letgut_paper_bool}
71     {
72         \bool_gset_true:N \g__letgut_included_files_attached_bool
73     }{
74         \bool_gset_false:N \g__letgut_included_files_attached_bool
75     }
76 }
77 \definecolor{letgut_pagecolor}{rgb}{\g__letgut_pagecolor_clist}

```

## Headers

We now define the headers.

- The distance between the baseline of the header text and the decorative line in the header is made a little bit bigger.

```
1 \renewcommand{\headruleskip}{
2   \c__letgut_head_rule_skip_dim
3 }
```

- The decorative line width in the header is made a little bit bigger.

```
1 \renewcommand{\headrulewidth}{
2   \c__letgut_head_rule_width_dim
3 }
```

- The headers alternate between even and odd pages.

```
1 \fancyhf{}
2 \fancyhead[R0,LE]{\thepage}
3 \fancyhead[RE,L0]{\scshape \g__letgut_mark_tl}
```

- The headers are left offset

```
1 \fancyheadoffset[L]{\c__letgut_hoffset_dim}
```

- We load the default `fancyhdr`'s page style

```
1 \pagestyle{fancy}
```

## Marginal notes

We want the marginal notes to be in the left margin.

```
1 \reversemarginpar
```

## Table of contents

The table of contents is customized :

- layout :

```
1 \etocsetstyle {section}
2 {}
3 {\leavevmode\leftskip 2.5cm\relax}
4 {\mdseries\small%
5   \etocname~\dotfill~\etocpage\par
6 }
7 {}
8 \etocsetstyle {subsection}
9 {}
10 {\leavevmode\leftskip 3cm\relax}
11 {\mdseries\footnotesize%
12   \etocname~\dotfill~\etocpage\par
13 }
14 {}
15 \etocsetstyle {subsubsection}
16 {}
17 {\leavevmode\leftskip 3.5cm\relax}
18 {\mdseries\scriptsize%
19   \etocname~\dotfill~\etocpage\par
20 }
21 {}
22 \etocsetstyle {paragraph}
23 {}
24 {\leavevmode\leftskip 4cm\relax}
```

```

25   {\mdseries\tiny%
26     \etocname~\dotfill~\etocpage\par
27   }
28   {}
29   \etocsetstyle {subparagraph}
30   {}
31   {\leavevmode\leftskip 4.5cm\relax}
32   {\mdseries\tiny%
33     \etocname~\dotfill~\etocpage\par
34   }
35   {}

```

— its title is dropped :

```
1 \renewcommand*\frenchcontentsname{}
```

## Geometry of the document

```

1 \geometry{
2   asymmetric,
3   textheight=\c__letgut_textheight_dim,
4   textwidth=\c__letgut_textwidth_dim,
5   lmargin=\c__letgut_lmargin_dim,
6   tmargin=\c__letgut_tmargin_dim,
7   head=\c__letgut_head_dim,
8   headsep=\c__letgut_headsep_dim,
9   marginparwidth=\c__letgut_marginparwidth_dim,
10  % verbose,
11  % showframe
12 }

```

## Alert box

```

1 \cs_new_protected:Nn \__letgut_alert_box:nn
2 {
3   \noindent
4   \begin{tblr}{
5     width=\linewidth,
6     rowspec={Q[c,m,#1]},
7     colspec={|
8
9       >{\bfseries}X|
10    },
11    vlines,
12    hlines,
13    rowsep=2.5mm,
14    colsep=2.5mm
15  }
16  #2
17  \end{tblr}
18  \skip_vertical:N \c_zero_dim
19 }

```

## Announcements

```

1  \tcbset{
2    announce~ style/.style={
3      enhanced,
4      sharp~ corners,
5      boxrule=0mm,
6      leftrule=1cm,
7      bottomrule=1cm,
8      toptitle=20pt,
9      bottomtitle=20pt,
10     center~ title,
11     before~ title=\hypersetup{hidelinks},
12     fonttitle=\scshape\bfseries\huge,
13     fontupper=\Large,
14     fontlower=\Large,
15     skin=empty,
16     segmentation~ style=solid,
17     halign=center,
18     toc~ title/.store~ in=\l__letgut_toc_title_announce_tl,
19     color/.store~ in=\l__letgut_toc_color_announce_tl,
20   }
21 }
22 \cs_new_protected:Npn \__letgut_toc_title_announce:nn #1 #2
23 {
24   \tl_if_empty:NTF {#1}{
25     \phantomsection\addcontentsline{toc}{title}{#2}
26   }{
27     \tl_if_empty:NF {#2}{
28       \phantomsection\addcontentsline{toc}{title}{#1}
29     }
30   }
31 }
32 \NewTColorBox{announcement}{0}{m}{
33   {
34     announce~ style,
35     title=#2,
36     borderline~ west={1cm}{0pt}{\l__letgut_toc_color_announce_tl},
37     phantom={\__letgut_toc_title_announce:nn {
38       \l__letgut_toc_title_announce_tl}{#2}},
39     overlay~ unbroken~ and~ first ={
40       \node[color=\l__letgut_toc_color_announce_tl]~ at~ ([yshift=8pt]
41         title.south)
42       { \pgfornament[width=0.4\linewidth]{88}};
43       \node[color=white,anchor=north~ west]~ at~ (frame.north~ west)
44       { \huge\bfseries\aldineright{} };
45     },
46     #1,
47     coltitle=\l__letgut_toc_color_announce_tl,
48   }

```

## Rebus



```

1  \int_new:N \g__letgut_rebus_int
2  \NewDocumentCommand{\solution}{}{\tcblower}
3  \NewDocumentCommand{\displaysolutions}{}{%
4    \tcbstoprecording\tcbinputrecords%
5  }
6  \tcbset{%
7    rebus~ style/.style={%
8      enhanced,
9      boxrule=0pt,
10     frame~hidden,
11     fonttitle=\normalfont\large\bfseries,
12     before~ title={\leifthand\c_space_tl},
13     halign=center,
14     title~ addon/.store~ in=\l__letgut_title_addon_tl,
15     after~ title={
16       \tl_if_empty:NF {\l__letgut_title_addon_tl}{
17         \c_space_tl(\emph{\l__letgut_title_addon_tl})
18       }
19     },
20     float = bh,
21     colback = __letgut_background_terminal_stdout,
22     colbacktitle = __letgut_background_terminal_stdin,
23     coltitle = black
24   }
25 }
26 \tcbset{
27   no~ solution/.style={
28     no~ recording,
29     after~ upper=dans~ la~ prochaine~ \lettre{},
30     after~ upper~ pre={
31       \par\bigskip\hfill\scriptsize\itshape
32       Solution\c_space_tl
33     },
34   }
35 }
36 \NewTColorBox{rebus}{+!0{}}{%
37   before~ title~ pre = {\int_gincr:N \g__letgut_rebus_int},
38   rebus~ style,
39   fonttitle=\bfseries,
40   title={Rébus},
41   label={rebus@\int_use:N \g__letgut_rebus_int},
42   after~ upper={\vpageref[ci-dessous]{solution@\int_use:N
43     \g__letgut_rebus_int}},
44   after~ upper~ pre={
45     \par\bigskip\hfill\scriptsize\itshape
46     Solution\c_space_tl
47   },
48   lowerbox=ignored,
49   savelowerto=rebus-\int_use:N \g__letgut_rebus_int.tex,
50   record={\string\rebus\solution*[\int_use:N \g__letgut_rebus_int][[]]},
51   #1
52 }

```

```

52 \NewDocumentCommand{\rebussolution}{s +o o 0{}}{%
53   \IfValueTF{#2}{
54     \begin{tcolorbox}[
55       rebus~ style,
56       label=solution@\int_use:N\g__letgut_rebus_int,
57       halign=justify,
58       before~ title={\lefthand{}~Solution~ du~ rébus\c_space_tl},
59       title={
60         \IfBooleanTF{#1}{
61           \vpageref[ci-dessus]{rebus@#2}
62         }{
63           de~la~\lettre{}\c_space_tl
64           \IfValueTF{#3}{
65             #3
66           }{
67             précédente
68           }
69         }
70       },
71       phantomlabel={
72         \IfBooleanT{#1}{
73           solution@#2
74         }
75       },
76       #4
77     ]
78     \IfBooleanTF{#1}{
79       \file_if_exist_input:n {rebus-#2.tex}
80     }{
81       #2
82     }
83   \end{tcolorbox}
84 }{
85   \IfValueF{#3}{
86     \tcbstoprecording
87     \tcbinputrecords
88   }
89 }
90 }

```

### “Title” and marks

We redefine \@title in order to make it empty. Hence we can later test if the \title has been populated by the user (thanks to \title) and, if so, we will (automatically) display on the first page and headers the provided title instead of the number and the date (see below).

```
1 \tl_gclear:N \@title
```

At the end of preamble, we put the \@title (empty or populated by the user) into \g\_\_letgut\_@title\_str for later tests.

```

1 \AddToHook{begindocument/before}
2 {
3   \str_set_eq:NN \g__letgut_@title_str \@title

```

The number is added only if it is

> 0.

```

1 \tl_gset:Nn \g__letgut_title_tl {
2   \int_compare:nNt
3   \g__letgut_number_int
1   > \c_zero_int
2   {numéro~ \int_use:N\g__letgut_number_int{}}~ --~ }
3   \g__letgut_date_tl
4   }
5   \str_if_empty:NTF \g__letgut_@title_str {
6     \tl_gset:Nn \g__letgut_mark_tl {
7       \c__letgut_la_lettre_gutenberg_plain_tl
8     }
9   }{
10    \tl_gset:Nn \g__letgut_mark_tl {
11      \g__letgut_@title_str
12    }
13  }
14  \tl_gput_right:Nn \g__letgut_mark_tl {
15    ,~\g__letgut_title_tl
16  }
17 }

```

## First page handling

The first page is special as it should automatically contain certain elements :

- the banner,
- either the number and the date of the issue, or a given title,
- the table of contents,
- the editorial,
- the membership reminder.

The first page is inserted only if the target audience is the readers of the Lettre.

```

1 \AddToHook{begindocument/before}{
2   \bool_if:NT \g__letgut_for_readers_bool {
1   \file_if_exist:nTF {\c__letgut_banner_file_tl.pdf}{
2     \AddToHookNext{shipout/background}
3     {
4       \begin{picture}(0,0)
5       \put(-2cm,-25.275cm){
6         \__letgut_orig_includegraphics*[scale=0.96]{
7           \c__letgut_banner_file_tl.pdf
8         }
9       }
10      \end{picture}
11    }
12  }{

```

The pagecolor option is possibly set (with \AddToHook{begindocument/before}) and the page color chosen has to be used for the letters of the banner so the following code has to be postponed after the former (hence here \AddToHook{begindocument} and with \AddToHook{begindocument/before}).

```

1 \msg_term:nn{letgut}{Banner~file~not~provided}
2 \RequirePackage[
3   , pagecolor = { \g__letgut_pagecolor_clist }
4   , watermark~ letter = { \g__letgut_watermark_letter_tl }
5   , watermark~ scale = { \g__letgut_watermark_scale_tl }
6   ]{letgut-banner}
7 }

```

Here starts what is automatically added at the beginning of the document.

```

1 \AddToHook{begindocument/end}
2 {

```

- If a membership reminder is asked, we create an (alert) box containing the corresponding text and reduce the textheight of this page of the height of this box.

```

1 \bool_if:NT \g__letgut_membership_reminder_bool {
2   \box_new:N \g__letgut_membership_reminder_box
3   \vbox_gset:Nn \g__letgut_membership_reminder_box {
4     \alertbox []{ \c__letgut_membership_reminder_tl }
5   }
6   \dim_gset:Nn
7   \g__letgut_membership_reminder_box_height_dim {
8     \box_ht:N \g__letgut_membership_reminder_box
9   }
10  \enlargethispage{
11    - \g__letgut_membership_reminder_box_height_dim
12  }
13 }

```

- We want the text on the first page to not encroach on the horizontal bar of the banner.

```

1 \dim_const:Nn \c__letgut_first_page_shrink_dim {
2   \c__letgut_banner_thickness_dim
3   +
4   \c__letgut_tmargin_dim
5   +
6   \c__letgut_textheight_dim
7   -
8   .5\paperheight
9   -
10  .5\c__letgut_banner_height_dim
11 }
12 \enlargethispage{
13   - \c__letgut_first_page_shrink_dim
14 }
15 \enlargethispage{
16   - \baselineskip
17 }

```

- If the user has specified a title, we make a (our own) title and use it and the possibly provided author(s) for the metadata of the PDF; otherwise we display the number and the date of the newsletter.

```

1 \str_if_empty:NTF \g__letgut_@title_str {
2   \bool_gset_true:N \g__letgut_title_empty_bool
3   \begin{flushright}
4     \Huge
5     \text_titlecase_first:n { \g__letgut_title_tl }
6   \end{flushright}
7   \hypersetup{
8     pdftitle={
9       \c__letgut_Lettre_gutenberg_tl
10      \int_compare:nNnT
11        \g__letgut_number_int

1      > \c_zero_int
2      {
3        \c_space_tl~ \int_use:N \g__letgut_number_int
4      }
5    },
6    pdfauthor={
7      Association~
8      \c__letgut_gutenberg_tl
9      \c_space_tl
10     (éditeur)
11   },
12 }
13 \vspace*{1cm}
14 }{
15   \hypersetup{
16     pdftitle={\g__letgut_@title_str}
17   }
18   \tl_if_empty:NF \@author {
19     \hypersetup{
20       pdfauthor={\@author}
21     }
22   }

```

Here, we insert the title, but don't rely on `\maketitle` because it lets to `\relax` the command `\title` which is used later as new sectionning levels for the titles of the articles of the Lettre. So we emulate the interesting part of the `\maketitle` command (borrowed from `article.cls`).

```

1 \null
2 \vskip 2em%
3 \begin{center}%
4   \let \footnote \thanks
5   {\LARGE \@title \par}%
6   \vskip 1.5em%
7   {\large
8     \lineskip .5em%
9     \begin{tabular}[t]{c}%
10      \@author
11    \end{tabular}\par}%
12   \vskip 1em%
13   {\large \@date}%
14 \end{center}%

```

```

15 \par
16 \vskip 1.5em
17 }

```

- No headers on the first page. This has to be inserted after the previous (customized) `\maketitle` since this command inserts a `\newpage` which would ruin the effort of `\thispagestyle{empty}` if inserted before.

```
1 \thispagestyle{empty}
```

- The table of contents is automatically added and has a bookmark entry. By default only the titles of the articles are shown (but the bookmarks have their natural depth) but the `detailedtoc` option make its depth until subparagraphs (which may be useful in order to check the structure of the Lettre).

```

1 \etocsetnexttocdepth{\g__letgut_detailedtoc_level_str}
2 \pdfbookmark[1]{
3   \c__letgut_contents_name_tl
4 }{
5   \c__letgut_contents_name_tl
6 }
7 \tableofcontents
8 \etocsetnexttocdepth{1}

```

Should a title be displayed, the table of contents would be added after it, followed by a new page (otherwise, if `\title` used after `\begin{document}` sees its title on the front page, it will overflow onto the banner).

```

1 \bool_if:NTF \g__letgut_title_empty_bool {
2   \vspace*{1.5cm}
3 }{
4   \newpage
5 }

```

- Conditionally to the fact the `editorial` option is not set to false : if the fichier `editorial.tex` of the editorial is found, its content is input and has a bookmark entry; otherwise, a warning is displayed.

```

1 \bool_if:NTF \g__letgut_editorial_bool {
2   \file_if_exist:nTF {./\c__letgut_editorial_file_tl}{
3     \RenewDocumentCommand\author{ s m } {
4       \__letgut_author:nn { #1 } {#2}
5     }
6     \pdfbookmark[1]{Éditorial}{
7       \c__letgut_editorial_file_tl
8     }
9     \inputarticle{./\c__letgut_editorial_file_tl}

```

```

1   % \if\count{\pagenumber}>1
2   % \else
3   % \newpage
4   % \fi
5 }{
6   \msg_warning:nn{letgut}{Editorial~file~missing}
7   \alertbox{ \c__letgut_missing_editorial_tl }
8   \newpage
9 }
10 }{
11   % \newpage

```

```
12 }
```

We close the `\AddToHook{begindocument/end}` argument.

```
1 }
```

Membership reminder.

```
1 \AddToHook{begindocument}{
2   \bool_if:NT \g__letgut_membership_reminder_bool {
3     \AddToHookNext{shipout/background}
4     {
5       \put(1in,-1in){
6         \put(
7           \oddsidemargin,
8           - \topmargin
9           - \headheight
10          - \headsep
11          - \textheight
12          + \c__letgut_first_page_shrink_dim
13          + .5\baselineskip
14        ) {
15          \box_use:N \g__letgut_membership_reminder_box
16        }
17      }
18    }
19  }
20 }
```

## Last page handling

The last pages are special : they should automatically contain some informations about GUTenberg.

```
1 \AddToHook{enddocument}
2 {
3   % \clearpage
4   % \printacronyms[heading=title,display=used]
```

Conditionally to the fact the informations option is not set to false : if the fichier informations-gut.tex which contains the informations about GUTenberg is found (firstly in the current directory, secondly in the parent directory, thirdly in the TDS). Otherwise, a warning is displayed.

```
1 \bool_if:NT \g__letgut_informations_bool {
2   \clearpage
3   \phantomsection
4   \file_if_exist:nTF {./\c__letgut_informations_gutenberg_file_tl}{
5     \inputarticle*{
6       ./\c__letgut_informations_gutenberg_file_tl
7     }
8   }{
9     \file_if_exist:nTF {../\c__letgut_informations_gutenberg_file_tl}{
10      \inputarticle*{
11        ../\c__letgut_informations_gutenberg_file_tl
12      }
13    }{
```

```

14      \file_if_exist:nTF {\c__letgut_informations_gutenberg_file_tl}{
15        \inputarticle*{
16          \c__letgut_informations_gutenberg_file_tl
17        }
18      }{
19        \msg_warning:nn{letgut}{Informations~file~missing}
20        \alertbox{ \c__letgut_missing_infomations_tl }
21      }
22    }
23  }
24 }

```

We close the `\AddToHook{enddocument}` argument.

```
1 }
```

We close the boolean which tests whether the target audience is the readers or the author(s) of the “Lettre”.

```
1 }
```

```
2 }
```

## Sections, subsections, etc.

### Numbering

We want all the sections to be unnumbered.

```
1 \setcounter{secnumdepth}{-10}
```

### Format

When used in titles, `\hologo` needs to be protected. In order to not bother the user with this peticularity, we make this the default for it.

```

1 % \AddToHook{cmd/hologo/before}{\protect}
2 \NewCommandCopy{\__letgut_old_hologo}{\hologo}
3 \RenewDocumentCommand {\hologo} { m }{
4   \protect\__letgut_old_hologo { #1 }
5 }

```

We want the `hologo`’s `\hologo` command to have its mandatory argument not uppercased in the context of `\text_uppercase:n` (as in titles, cf. just below).

```

1 \tl_put_right:Nn \l_text_case_exclude_arg_tl { \hologo }
2 % \tl_put_right:Nn \l_text_case_exclude_arg_tl { \ac }
3 % \tl_put_right:Nn \l_text_case_exclude_arg_tl { \acs }
4 % \tl_put_right:Nn \l_text_case_exclude_arg_tl { \acl }
5 % \tl_put_right:Nn \l_text_case_exclude_arg_tl { \acf }

```

— We create the new level `\title` for the titles of the articles. They are displayed uppercased.

```

1 \AddToHook{begindocument/before}{%
2   \titleclass{\title}{straight}[\part]
3   \titleformat{\title}{
4     \normalfont
5     \LARGE
6     \bfseries
7   }{}{1em}{
8     \aldineleft\c_space_tl\text_uppercase:n
9   }

```



```

10 \etocsetlevel{title}{0}
11 \def\toclevel@title{0}%
12 \etocsetstyle {title}
13 {}
14 {
15     \leavevmode\leftskip 2cm\relax
16 }
17 {
18     \bool_lazy_or:nnTF {
19         \str_if_eq_p:Vn \g__letgut_detailedtoc_level_str { 0 }
20     }{
21         \str_if_eq_p:Vn \g__letgut_detailedtoc_level_str { title }
22     }
23     {
24         \mdseries
25     }{
26         \bfseries
27     }
28     \normalsize
29     \etocname
30     \nobreak\leaders\hbox~ to~ 1ex{\hss.}\hfill
31     \etocpage
32     \par
33 }
34 {}

```

- We also create the new level `\subtitle` for the subtitles of the articles. They are displayed uppercased (but in a smaller size than `\title`).

```

1 \titleclass{\subtitle}{straight}[\title]
2 \titleformat{\subtitle}{
3     \normalfont
4     \Large
5     \bfseries
6     \text_uppercase:n
7 }{}{1em}{}{}
8 \etocsetlevel{subtitle}{1}
9 \def\toclevel@subtitle{1}%
10 \def\toclevel@subtitle{1}

```

- By default (that is when `\subtitle` is not used), the toc levels of the sections, subsections, etc. are set to 1, 2, etc. But, when `\subtitle` is used, since this level has toc level 1, the toc levels of the sections, subsections, etc. have to be set to 2, 3, etc. And this has to be reset each time `\title` and `\subtitle` are used.

```

1 \AddToHook{cmd/title/before}{
2     \etocsetlevel{section}{1}
3     \def\toclevel@section{1}%
4     \etocsetlevel{subsection}{2}
5     \def\toclevel@subsection{2}%
6     \etocsetlevel{subsubsection}{3}
7     \def\toclevel@subsubsection{3}%
8     \etocsetlevel{paragraph}{4}
9     \def\toclevel@paragraph{4}%
10    \etocsetlevel{subparagraph}{5}

```

```

11   \def\toclevel@subparagraph{5}%
12   }
13   \AddToHook{cmd/subtitle/before}{
14     \etocsetlevel{section}{2}
15     \def\toclevel@section{2}%
16     \etocsetlevel{subsection}{3}
17     \def\toclevel@subsection{3}%
18     \etocsetlevel{subsubsection}{4}
19     \def\toclevel@subsubsection{4}%
20     \etocsetlevel{paragraph}{5}
21     \def\toclevel@paragraph{5}%
22     \etocsetlevel{subparagraph}{6}
23     \def\toclevel@subparagraph{6}%
24   }

```

— The (sub)paragraphs have the usual format, except that they are not “runin” (*titlesec*’s package’s terminology).

```

1   \titleformat{\paragraph}{
2     \normalfont
3     \normalsize
4     \bfseries
5   }{\theparagraph}{1em}{}
6   \titleformat{\subparagraph}{
7     \normalfont
8     \normalsize
9     \bfseries
10  }{\thesubparagraph}{1em}{}
11  }

```

— We modify the spacing, mainly by shifting the titles in the left margin (the rest is borrowed from the standard classes).

```

1   \titlespacing*{\title}
2     {\c__letgut_title_hoffset_dim}
3     {\c__letgut_before_title_title_skip}
4     {\c__letgut_after_title_title_skip}
5   \titlespacing*{\subtitle}
6     {\c__letgut_subtitle_hoffset_dim}
7     {\c__letgut_before_subtitle_title_skip}
8     {\c__letgut_after_subtitle_title_skip}
9   \titlespacing*{\section}
10     {\c__letgut_section_hoffset_dim}
11     {\c__letgut_before_section_title_skip}
12     {\c__letgut_after_section_title_skip}
13   \titlespacing*{\subsection}
14     {\c__letgut_subsection_hoffset_dim}
15     {\c__letgut_before_subsection_title_skip}
16     {\c__letgut_after_subsection_title_skip}
17   \titlespacing*{\subsubsection}
18     {\c__letgut_subsubsection_hoffset_dim}
19     {\c__letgut_before_subsubsection_title_skip}
20     {\c__letgut_after_subsubsection_title_skip}
21   \titlespacing*{\paragraph}
22     {\c__letgut_paragraph_hoffset_dim}

```

```

23   {\c__letgut_before_paragraph_title_skip}
24   {\c__letgut_after_paragraph_title_skip}
25   \titlespacing*{\subparagraph}
26   {\c__letgut_subparagraph_hoffset_dim}
27   {\c__letgut_before_subparagraph_title_skip}
28   {\c__letgut_after_subparagraph_title_skip}

```

## Document commands

### Setup

We define the command that lets us specify the newsletter setup.

```

1   \NewDocumentCommand \letgutsetup { m } {
2     \keys_set:nn { letgut } { #1 }
3   }

```

### For the rubric dedicated to new stuffs appeared on CTAN

- We create a new type of list, dedicated to the new stuffs (classes, packages, etc.) on CTAN and similar to a description list (except the label provided in the optional argument of `\item` is automatically an argument of the `\package` command).

```

1   \cs_new_protected:Nn \__letgut_ctan_news_item:n {
2     \package{#1}~:
3   }
4   \newlist{ctannews}{description}{1}
5   \setlist[ctannews]{format=\__letgut_ctan_news_item:n}

```

The stuffs created by French speaking people are highlighted in a special way and, for this, a starred variant of the `\item` command is provided. We insert a systematic `\phantomsection` in order the cross-references to such items are correct.

```

1   \cs_new_protected:Npn \__letgut_item:nn #1 #2
2   {
3     \tl_if_empty:nTF {#2}
4     {
5       \__letgut_old_item
6     }{
7       \__letgut_old_item[#2]
8     }
9     \phantomsection
10    \IfBooleanT {#1}{
11      \mbox{}\marginpar[\mbox{}\hfill\francophony]}
12  }
13  }
14  \NewCommandCopy{\__letgut_old_item}{\item}
15  \RenewDocumentCommand {\item} { s O{} } {
16    \__letgut_item:nn {#1}{#2}
17  }

```

- Command that inserts the « francophony » logo.

```

1   \NewDocumentCommand {\francophony} { } {
2     \raisebox{-1.5pt}{
3       \__letgut_orig_includegraphics*[width=\f@size pt]{
4         letgut-francophony-icon

```

```

5      }
6      }
7  }
```

### Persons, authors and list of participants

For both persons and authors, the argument of :

— a single individual is given as :

— `<Last name>`, `<First name>`

— and possibly `<Last name>`, `<First name>`, `<Title>`

— multiple individuals, the schemes for each of the individuals are the same of a single one, separated by a semicolon.

```

1 \NewDocumentCommand {\person} { s m } {
2   \__letgut_process_list:nn {#1} {#2}
3 }
4 \cs_new_protected:Npn \__letgut_author:nn #1 #2
5 {
6   \nopagebreak
7   \begin{flushright}
8     \__letgut_process_list:nn {#1} {#2}
9   \end{flushright}
10 }
11 \AddToHook{begindocument/end}{%
12   \RenewDocumentCommand\author{ s m } {
13     \__letgut_author:nn { #1 } { #2 }
14   }
15 }
```

In the following `\__letgut_titlecase_name` control sequence, we parse last and first names, splitting and unsplitting them at spaces and dashes (-) with titlecasing in between.

```

1 \cs_new_protected:Npn \__letgut_titlecase_name:n #1
2 {
3   \seq_set_split:Nnn \l__letgut_tmpa_seq { - } {#1}
4   \seq_set_map_x:NNn \l__letgut_tmpb_seq \l__letgut_tmpa_seq {
5     \text_titlecase_first:n{ \text_lowercase:n {##1} }
6   }
7   \tl_set:Nx \l__letgut_tmpa_tl {\seq_use:Nn \l__letgut_tmpb_seq {-}}
8   \seq_clear:N \l__letgut_tmpa_seq
9   \seq_set_split:NnV \l__letgut_tmpa_seq { ~ } { \l__letgut_tmpa_tl }
10  \seq_set_map_x:NNn \l__letgut_tmpb_seq \l__letgut_tmpa_seq {
11    \text_titlecase_first:n{##1}
12  }
13  \seq_use:Nn \l__letgut_tmpb_seq {~}
14 }
```

The following control sequence splits a semi-colon separated list and each item is splitted as a comma separated list.

```

1 \cs_new_protected:Nn \__letgut_person_last_name:n
2 {
3   {% \scshape
4     \__letgut_titlecase_name:n {#1}}
5 }
```

```

6  \cs_new_protected:Nn \__letgut_person_first_name_last_name:nn
7  {
8    \__letgut_titlecase_name:n {#1}
9    \c_space_tl
10   \__letgut_person_last_name:n {#2}
11 }
12 \cs_new_protected:Nn
13 \__letgut_person_first_name_last_name_title:nnn
14 {
15   \__letgut_person_first_name_last_name:nn {#1} {#2}
16   \c_space_tl
17   (#3)
18 }
19 \seq_new:N \l__letgut_items_seq
20 \cs_new_protected:Npn \__letgut_process_list:nn #1 #2
21 {
22   \seq_clear:N \l__letgut_items_seq
23   \seq_set_split:Nnn \l__letgut_tmpa_seq {~and~} {#2}
24   \IfBooleanT{#1}{
25     \seq_sort:Nn \l__letgut_tmpa_seq
26     {
27       \str_compare:nNnTF { ##1 } > { ##2 }
28       { \sort_return_swapped: }
29       { \sort_return_same: }
30     }
31   }
32   \seq_map_inline:Nn \l__letgut_tmpa_seq {
33     \seq_set_from_clist:Nn \l__letgut_tmpb_seq {##1}
34     \seq_pop_left:NN \l__letgut_tmpb_seq \l__letgut_last_name_tl
35     \seq_pop_left:NN \l__letgut_tmpb_seq \l__letgut_first_name_tl
36     \seq_pop_left:NN \l__letgut_tmpb_seq \l__letgut_title_tl
37     \seq_put_right:Nx \l__letgut_items_seq {
38       \quark_if_no_value:NTF \l__letgut_first_name_tl {
39         \__letgut_person_last_name:n {
40           \l__letgut_last_name_tl
41         }
42       }{
43         \quark_if_no_value:NTF \l__letgut_title_tl {
44           \__letgut_person_first_name_last_name:nn
45           {\l__letgut_first_name_tl}
46           {\l__letgut_last_name_tl}
47         }{
48           \__letgut_person_first_name_last_name_title:nnn
49           {\l__letgut_first_name_tl}
50           {\l__letgut_last_name_tl}
51           {\l__letgut_title_tl}
52         }
53       }
54     }
55   }
56   \seq_use:Nnnn \l__letgut_items_seq {
57     \c_space_tl \str_use:N \& \c_space_tl

```

```

58   } { ,~ } { \c_space_tl \str_use:N \& \c_space_tl }
59   }

```

The list of contributors (possibly the masthead) will be the list of the persons who contributed to the current issue of the *Lettre*, with both a pre- and a post-text, the whole in a centered boxed minipage.

```

1  \tl_const:Nn \c__letgut_preamble_list_of_contributors_tl {
2    De~ près,~ de~ loin,~ par~ leurs~ avis~ éclairés,~ par~ leurs~
      remarques~
3    pertinentes~ ou~ par~ leurs~ articles,~ ont~ contribué~ à~ cette~
4    \lettre{}~ :~ %
5  }
6  \tl_const:Nn \c__letgut_postamble_list_of_contributors_tl {
7    \c_space_tl (et~ nous~ espérons~ n'avoir~ oublié~ personne).
8  }
9  \cs_new_protected:Nn \__letgut_list_of_contributors:nnn
10 {
11   \par
12   \fbox{
13     \begin{minipage}[t]{\linewidth-2\fboxsep-2\fboxrule}
14       #1
15       \person*{#3}
16       #2
17     \end{minipage}
18   }
19 }
20 \NewDocumentCommand {\listofcontributors} {
21   0{\c__letgut_preamble_list_of_contributors_tl}
22   0{\c__letgut_postamble_list_of_contributors_tl}
23   m
24 } {
25   \__letgut_list_of_contributors:nnn {#1} {#2} {#3}
26 }

```

### Horizontal rule

```

1  \NewDocumentCommand {\separator} { } {
2    \par
3    \skip_vertical:N 1em
4    \hrule
5    \skip_vertical:N 1em
6  }

```

### Alert boxes

```

1  \colorlet {letgut_default_alert_box_color} {
2    \c__letgut_default_alert_box_color_tl
3  }
4  \NewDocumentCommand \alertbox {
5    0{letgut_default_alert_box_color} +m
6  } {
7    \__letgut_alert_box:nn { #1 }{ #2 }
8  }

```

**Typesetting of packages, classes, files and softwares.**

The `\c__letgut_httpsprefix_tl` comes from :

<https://github.com/latex3/hyperref/issues/188#issuecomment-826302843>.

```
1 \tl_const:Nx \c__letgut_httpsprefix_tl
2 {https\char_generate:nn{58}{12}//}
```

We define the font switches dediacted to each of packages and classes (T<sub>E</sub>X stuff), files and softwares.

```
1 \tl_new:N \l__letgut__tex_stuff_font_switch_tl
2 \tl_new:N \l__letgut_files_font_switch_tl
3 \tl_new:N \l__letgut_softwares_font_switch_tl
4 \tl_set:Nn \l__letgut__tex_stuff_font_switch_tl {\sffamily}
5 \tl_set:Nn \l__letgut_files_font_switch_tl {\ttfamily}
6 \tl_set:Nn \l__letgut_softwares_font_switch_tl {\ttfamily}
1 \cs_new_protected:Nn \__letgut_tex_stuff:nn
2 {
3   \IfNoValueTF {#1}
4   {
5     \href{
6       \c__letgut_httpsprefix_tl ctan.org/pkg/#2
7     }{
8       {\l__letgut__tex_stuff_font_switch_tl #2}
9     }
10  }{
11    \tl_if_empty:nTF {#1}
12    {
13      {\l__letgut__tex_stuff_font_switch_tl #2}
14    }{
15      \href{#1}{\l__letgut__tex_stuff_font_switch_tl #2}}
16    }
17  }
18 }
19 \cs_new_protected:Nn \__letgut_software:nn
20 {
```

We split the software’s name at spaces in order to apply the dedicated font switch (`\ttfamily`) to all of it except to the spaces.

```
1 \seq_set_split:Nnn \l__letgut_tmpa_seq { ~ } { #2 }
2 \seq_set_map:Nnn \l__letgut_tmpb_seq \l__letgut_tmpa_seq {{
3   \l__letgut_softwares_font_switch_tl ##1}}
4 \tl_if_empty:nTF {#1}
5 {
6   \seq_use:Nn \l__letgut_tmpb_seq { ~ }
7 }{
8   \href{#1}{ \seq_use:Nn \l__letgut_tmpb_seq { ~ } }
9 }
10 \cs_new_protected:Nn \__letgut_file:n
11 {
12   {\l__letgut_files_font_switch_tl #1}
13 }
14 \NewDocumentCommand{\package}{ s o m 0{\c__letgut_package_tl} } {
```

```

15   \IfBooleanT{#1}{
16     #4
17     \c_space_tl
18   }
19   \__letgut_tex_stuff:nn {#2}{#3}
20 }
21 \NewDocumentCommand{\class}{ s o m 0{\c__letgut_class_tl} } {
22   \IfBooleanT{#1}{
23     #4
24     \c_space_tl
25   }
26   \__letgut_tex_stuff:nn {#2}{#3}
27 }
28 \NewDocumentCommand{\file}{ s m 0{\c__letgut_file_tl} } {
29   \IfBooleanT{#1}{
30     #3
31     \c_space_tl
32   }
33   \__letgut_file:n {#2}
34 }
35 \NewDocumentCommand {\software} { s 0{} m 0{\c__letgut_software_tl} } {
36   \IfBooleanT{#1}{
37     #4
38     \c_space_tl
39   }
40   \__letgut_software:nn {#2}{#3}
41 }

```

### Names, expressions, etc.

We define here some commands for names and expressions that are likely to be frequently used. The more the users will resort to these commands, the less will be inconsistently typesetted these names and expressions.

```

1   \NewExpandableDocumentCommand { \gutenberg } { } {
2     \c__letgut_gutenberg_tl
3   }
4   \NewExpandableDocumentCommand { \gut } { } {
5     \c__letgut_gutenberg_tl
6   }
7   \NewExpandableDocumentCommand { \assogut } { } {
8     \c__letgut_association_tl \c_space_tl \c__letgut_gutenberg_tl
9   }
10  \NewExpandableDocumentCommand { \Assogut } { } {
11    \text_titlecase_first:n {\assogut}
12  }
13  \NewExpandableDocumentCommand { \lettres } { } {
14    \c__letgut_Lettres_tl
15  }
16  \NewExpandableDocumentCommand { \lettresgut } { } {
17    \c__letgut_Lettres_tl \c_space_tl \c__letgut_gutenberg_tl
18  }
19  \NewExpandableDocumentCommand { \Cahier } { } {
20    \c__letgut_cahier_tl

```



```

21 }
22 \NewExpandableDocumentCommand { \Cahiers } { } {
23   \c__letgut_cahiers_tl
24 }
25 \NewExpandableDocumentCommand { \cahier } { } {
26   \c__letgut_cahier_tl
27 }
28 \NewExpandableDocumentCommand { \cahiers } { } {
29   \c__letgut_cahiers_tl
30 }
31 \NewExpandableDocumentCommand { \cahiergut } { } {
32   \cahier \c_space_tl \gutenberg
33 }
34 \NewExpandableDocumentCommand { \cahiersgut } { } {
35   \cahiers \c_space_tl \gutenberg
36 }
37 \NewExpandableDocumentCommand { \letgut } { } {
38   \class{\letgut}
39 }
40 \NewExpandableDocumentCommand { \letgutcls } { } {
41   \class*{\letgut}
42 }
43 \NewExpandableDocumentCommand { \tugboat } { } {
44   \c__letgut_tugboat_tl
45 }
46 \NewExpandableDocumentCommand { \knuth } { } {
47   \person{Knuth,~ Donald~ E.}
48 }
49 \NewExpandableDocumentCommand { \lamport } { } {
50   \person{Lamport,~ Leslie}
51 }
52 \NewExpandableDocumentCommand { \tl } { } {
53   \c__letgut_tex_live_tl
54 }
55 \NewExpandableDocumentCommand { \linux } { } {
56   \c__letgut_gnu_linux_tl
57 }
58 \NewExpandableDocumentCommand { \macos } { } {
59   \c__letgut_macOS_tl
60 }
61 \NewExpandableDocumentCommand { \windows } { } {
62   \c__letgut_windows_tl
63 }

```

We define the command `\lettrenumber` that displays the number of some *Lettre* issue :

- preceeded by “n°” if used starred,
- by default the current one,
- possibly shifted w.r.t. the current one, depending on the first token of the optional argument :
  - if it is not `.`, `+` nor `-` : this argument (pretty useless : it is easier to directly

- type the desired number),
- if it is . : the current number of the *Lettre* (pretty useless : it is easier to just not use the optional argument),
- if it is + or - followed by a number : the current number of the *Lettre*, shifted by what is specified.

```

1 \cs_new_protected:Npn \__letgut_get_lettre_number:n #1
2 {
3   \tl_if_empty:nTF {#1}{
4     \int_use:N \g__letgut_number_int
5   }{
6     \tl_set:Nx \l__letgut_tmpa_tl {\tl_head:n { #1 }}
7     \tl_set:Nn \l__letgut_tmpb_tl { #1 }
8     \tl_case:NnF \l__letgut_tmpa_tl {
9       {\c__letgut_plus_tl} {\int_eval:n {\g__letgut_number_int
10        \l__letgut_tmpa_tl\tl_range:Nnn \l__letgut_tmpb_tl { 2 } { -1 }}}
11       {\c__letgut_minus_tl} {\int_eval:n {\g__letgut_number_int
12        \l__letgut_tmpa_tl\tl_range:Nnn \l__letgut_tmpb_tl { 2 } { -1 }}}
13       {\c__letgut_dot_tl} {\int_use:N \g__letgut_number_int}
14     }
15     {\l__letgut_tmpb_tl}
16   }
17 }
18 \NewDocumentCommand { \lettre number } { s O{} } {
19   \IfBooleanT{#1}{
20     \no
21   }
22   \__letgut_get_lettre_number:n { #2 }
23 }

```

The “*Lettre*” and “*Lettre* GUTenberg” expressions are treated separately since they are subject to variations, depending on how they are used. The corresponding commands `\lettre` and `\lettre gut` used without star nor optional argument typeset resp. “*Lettre*” and “*Lettre* GUTenberg” :

- immediately followed by “n°” if used starred,
- followed by some strings, depending on the first token of their optional argument :
  - if it is not ., + nor - : this argument,
  - if it is . : the current number of the *Lettre*,
  - if it is + or - followed by a number : the current number of the *Lettre*, shifted by what is specified.

```

1 \tl_const:Nn \c__letgut_plus_tl { + }
2 \tl_const:Nn \c__letgut_minus_tl { - }
3 \tl_const:Nn \c__letgut_dot_tl { . }
4 \cs_new_protected:Npn \__letgut_lettre:nnn #1 #2 #3
5 {
6   \c__letgut_Lettre_tl #2
7   \tl_if_empty:nF {#1}{
8     {
9       #3
10      \nobreakspace

```

```

11     \__letgut_get_lettre_number:n {#1}
12   }
13 }
14 \NewDocumentCommand { \lettre } { s 0{} } {
15   \IfBooleanTF{#1}{
16     \__letgut_lettre:nnn { #2 } { } {
17       \tl_if_empty:nF {#2}{
18         \c_space_tl\no
19       }
20     }
21   }{
22     \__letgut_lettre:nnn { #2 } { } { }
23   }
24 }
25 \NewDocumentCommand { \lettregut } { s 0{} } {
26   \IfBooleanTF{#1}{
27     \__letgut_lettre:nnn { #2 } { \c_space_tl \c__letgut_gutenberg_tl }
28     { \c_space_tl\no }
29   }{
30     \__letgut_lettre:nnn { #2 } { \c_space_tl \c__letgut_gutenberg_tl }
31     { }
32   }
33 }

```

The `\lettre` and `\lettregut` can be used in titles, sections, etc. (involving bookmarks) but, because their last argument isn't a mandatory one, they would have an inconsistent behavior if used with their star or their optional argument (see <https://tex.stackexchange.com/q/427557/18401>).

### Foreign locutions

```

1  \cs_new_protected:Npn \__letgut_emphasis:n #1
2  {
3    \emph{#1}
4  }
5  \NewDocumentCommand { \foreignloc } { m } {
6    \__letgut_emphasis:n {#1}
7  }
8  \NewDocumentCommand { \latinloc } { m } {
9    \__letgut_emphasis:n {#1}
10 }

```

### Unicode code points

```

1  \cs_new_protected:Npn \__letgut_unicode_code:nn #1 #2
2  {
3    U+\bgroup\addfontfeature{Numbers={Lining,Proportional}}#2\egroup
4    \tl_if_empty:nF {#1}{
5      \c_space_tl
6      ({\addfontfeature{RawFeature={smcp,c2sc}}#1})
7    }
8  }
9  \NewDocumentCommand { \Ucode } { 0{} m } {
10   \__letgut_unicode_code:nn {#1}{#2}
11 }

```

## Bookmarks handling

We disabling some commands when their arguments have to go to bookmarks.

```

1 \AddToHook{begindocument/end}{
2   \pdfstringdefDisableCommands{
3     \RenewExpandableDocumentCommand\person { m }{#1}
4     \RenewExpandableDocumentCommand\author{ m }{#1}
5     \RenewExpandableDocumentCommand \package { s 0{ } m }{
6       \IfBooleanT{#1}{\c__letgut_package_tl\c_space_tl}#3
7     }
8     \RenewExpandableDocumentCommand\class { s 0{ } m }{
9       \IfBooleanT{#1}{\c__letgut_class_tl\c_space_tl}#3
10    }
11    \RenewExpandableDocumentCommand\file { s m }{
12      \IfBooleanT{#1}{\c__letgut_file_tl\c_space_tl}#2
13    }
14    \RenewExpandableDocumentCommand\software { s 0{ } m }{
15      \IfBooleanT{#1}{\c__letgut_software_tl\c_space_tl}#3
16    }
17    \RenewExpandableDocumentCommand\foreignloc{ m }{#1}
18    \RenewExpandableDocumentCommand\latinloc{ m }{#1}
19    \RenewExpandableDocumentCommand\lettre{ }{Lettre}
20    \RenewExpandableDocumentCommand\gutenberg{ }{GUTenberg}
21    \RenewExpandableDocumentCommand\gut{ }{\gutenberg}
22    \RenewExpandableDocumentCommand\lettregut{ }{
23      \lettre\c_space_tl\gutenberg
24    }
25    \RenewExpandableDocumentCommand\Cahier{ }{Cahier}
26    \RenewExpandableDocumentCommand\Cahiers{ }{\Cahier s}
27    \RenewExpandableDocumentCommand\cahier{ }{Cahier}
28    \RenewExpandableDocumentCommand\cahiers{ }{\cahier s}
29    \RenewExpandableDocumentCommand\cahiergut{ }{
30      \cahier\c_space_tl\gutenberg
31    }
32    \RenewExpandableDocumentCommand\cahiersgut{ }{
33      \cahier s\c_space_tl\gutenberg
34    }
35    \RenewExpandableDocumentCommand\letgut{ }{\letgut}
36    \RenewExpandableDocumentCommand\letgutcls{ }{classe~ \letgut}
37    \RenewExpandableDocumentCommand\knuth{ }{Donald~ E.~ Knuth}
38    \RenewExpandableDocumentCommand\lamport{ }{Leslie~ Lamport}
39    \RenewExpandableDocumentCommand\linux{ }{GNU/Linux}
40    \RenewExpandableDocumentCommand\macos{ }{macOS}
41    \RenewExpandableDocumentCommand\windows{ }{Windows}
42  }
43 }
```

## Acronyms

The following command let us define acronyms. The arguments are as follows :

- #1 : optional argument that let us override the default settings of this command,
- #2 : the uppercase version of both the id and the short form of the acronym,
- #3 : the long form (in French if #4 has -NoValue-, in English otherwise),
- #4 : the French translation of an English acronym.

```

1  \cs_new_protected:Nn \__letgut_acronym:nnnn
2  {
3    \AddToHook{begindocument/before}{
4      \IfValueTF {#4}{
5        \tl_if_empty:nTF {#4}{
6          \exp_args:Nx \DeclareAcronym{\text_lowercase:n {#2}}{
7            short = \text_lowercase:n {#2},
8            sort= #2,
9            long = {\emph{#3}},
10           extra-long = {anglais},
11           pdfstring = #2,
12           short-acc = #2,
13           #1
14         }
15       }{
16         \exp_args:Nx \DeclareAcronym{\text_lowercase:n {#2}}{
17           short = \text_lowercase:n {#2},
18           sort= #2,
19           long = {#4},
20           foreign = {#3},
21           foreign-babel = english,
22           foreign-locale = anglais,
23           pdfstring = #2,
24           short-acc = #2,
25           #1
26         }
27       }
28     }{
29       \exp_args:Nx \DeclareAcronym{\text_lowercase:n {#2}}{
30         short = \text_lowercase:n {#2},
31         sort= #2,
32         long = {#3},
33         pdfstring = #2,
34         short-acc = #2,
35         #1
36       }
37     }

```

The <id> of the acronym will automatically be the name of a public command (\<id>) acting as \ac{id}.

```

1  \exp_after:wN \cs_if_exist:cT { \text_lowercase:n {#2} } {
2    \msg_note:nnn{letgut}{Existing~command}{#2}
3  }
4  \exp_args:Nc \ProvideDocumentCommand
5  { \text_lowercase:n {#2} } { s } {
6    \IfBooleanTF {##1}{
7      \exp_args:Nx \acs { \text_lowercase:n {#2} }
8    }{
9      \exp_args:Nx \ac { \text_lowercase:n { #2 } }
10    }
11  }

```

We want the command `\id` to work also in bookmarks (the resulting string will be the uppercased acronym).

```

1 \pdfstringdefDisableCommands
2 {
3   \exp_after:wN
4   \def\cs:w \text_lowercase:n {#2} \cs_end: { #2 }
5 }
6 }
7 }
```

The first occurrences of the acronyms will be displayed in their short forms, with the long ones in footnotes. But what about acronyms whose first occurrences arise within footnotes? We want them to be displayed as their short forms followed by their long form in parentheses. For this, we have to add a boolean at the beginning (and reversed at the end) of the `\footnote` command to know whether we currently are in a footnote or not and display the acronym accordingly.

BTW, we hack the `\footnote` command in order to mimic the multiple option of the `footmisc` package (consecutive `\footnote` commands make their corresponding footnote marks separated by commas). See <https://tex.stackexchange.com/a/62091>.

```

1 \let\__letgut_next_token\relax
2 \cs_new_protected:Npn \__letgut_next_token_is_footnote:
3 {\if_meaning:w\footnote\__letgut_next_token\textsuperscript{,}\fi}
4 \NewCommandCopy{\__letgut_old_footnote}{\footnote}
5 \RenewDocumentCommand {\footnote} { 0{} m }{
6   \bool_set_true:N \l__letgut_in_footnote_bool
7   \tl_if_empty:NTF {#1}{
8     \__letgut_old_footnote { #2 }
9   }{
10    \__letgut_old_footnote [#1] { #2 }
11  }
12  \bool_set_false:N \l__letgut_in_footnote_bool
13  \futurelet\__letgut_next_token\__letgut_next_token_is_footnote:
14 }
```

We change a bit both the footnote acro template, the `description` list template, and the macro which prints the locale.

```

1 \DeclareAcroProperty{extra-foreign}
2 \DeclareAcroProperty{extra-long}
3 \RenewAcroTemplate {footnote}
4 {
5   \acrowrite {short}
6   \acroiffirstT
7   {
```

If we are in a footnote, first occurrences of the acronyms are displayed as “short (long)”. Otherwise, they are displayed as “short<sup>1</sup>”.

```

1   \bool_if:NTF \l__letgut_in_footnote_bool {
2     \space
3     (
4     \acroifT {alt} { \acrotranslate {or} ~ \acrowrite {alt} ~ }
```

---

1. long

```

5      \acroifT {foreign} { \acrowrite {foreign} }
6      \acrowrite {long}
7      \acrogroupcite
8      )
9  }{
10     \acfootnote
11     {
12         \acroifT {alt} {
13             \acrotranslate {or} ~ \acrowrite {alt} :~
14         }
15         \acroifT {foreign} { \acrowrite {foreign} }
16         \acrowrite {long}
17         \acroifT {extra-long} { ~ [\acrowrite {extra-long}] }
18         \acroifT {extra-foreign} {
19             \c_space_tl [\acrowrite {extra-foreign}]
20         }
21         \acrogroupcite
22     }
23 }
24 }
25 }
26 \RenewAcroTemplate[list]{description}{%
27     \acroheading
28     \acropreamble
29     \begin{description}
30         \acronymmapF{%
31             \item[\acrowrite{short}\acroifT{alt}{/\acrowrite{alt}}]
32                 \acroifT{foreign}{
33                     \acrowrite{foreign}\acroifT{extra}{, }
34                 }%
35                 \acroifT{extra}{\acrowrite{extra}}}%
36         \acroifanyT{foreign,extra}{\acspace {}}%
37         \acrowrite{list}%
38         \acroifT {extra-foreign} {
39             , \c_space_tl \acrowrite {extra-foreign}
40         }
41         \acroifanyT{foreign,extra}{})}%
42     \acropagefill
43     \acropages
44     {\acrotranslate{page}\nobreakspace}
45     {\acrotranslate{pages}\nobreakspace}%
46 }
47 {\item\AcroRerun}
48 \end{description}
49 }
50 % #1: id
51 % #2: property
52 % #3: text
53 \cs_set_protected:Npn \acro_locale:nnn #1#2#3
54 {
55     \acro_if_foreign:nTF {#2}
56     {

```

```

57 \acro_if_locale:nnTF {#1} {#2}
58 {
59   \_acro_foreign_language:en
60   { \str_lowercase:e {
61     \acro_property_get:nn {#1} {foreign-babel}
62   }
63 }
64 {#3}
65 \bool_if:NTF \l__acro_list_bool
66 { \bool_if:NT \l__acro_list_show_locale_bool }
67 { \bool_if:NT \l__acro_show_locale_bool }
68 {
69   {
70     \l__acro_locale_format_tl
71     {
72       \acro_property_if_set:nnTF {#1} {
73         foreign-locale
74       }
75       {
76         \acspace
77         [
78           \acro_property_get:nn {#1} {
79             foreign-locale
80           }
81         ]
82       }{}
83       \baselanguage
84       {
85         \acro_property_get:nn {#1} {
86           foreign-babel
87         }
88       }
89     }
90   }
91 }
92 :~
93 }
94 }
95 {#3}
96 }
97 {#3}
98 }

```

Now, the document command that let the user create acronyms.

```

1 \NewDocumentCommand{\letgutacro}{ 0{} m m o }
2 {
3   \_letgut_acronym:nnnn {#1} {#2} {#3} {#4}
4 }

```

For printing the acronyms, we define two new heading templates for the structure levels `\title` and `\subtitle`.

```

1 \NewAcroTemplate[heading] {title}
2 { \title { \acrolistname } }

```



```

3 \NewAcroTemplate[heading] {subtitle}
4 { \subtitle { \acrolistname } }

```

We make `\letgutacro` available only in the preamble part of the document (otherwise, no warning from `acro` but only the long form of the acronym is printed when used for the first time with `\ac`).

```

1 \@onlypreamble\letgutacro

```

## Bibliography

We want the `\citeauthor` command to display, not only the last, but the full name of the authors.

```

1 \NewCommandCopy{\__letgut_old_citeauthor}{
2   \citeauthor
3 }
4 \RenewDocumentCommand {\citeauthor} { 0{} 0{} m } {
5   \AtNextCite{
6     \DeclareNameAlias{labelname}{given-family}
7     \protected\def\mkbibnamefamily#1{%
8       \textnohyphenation{#1}}%
9   }
10   \__letgut_old_citeauthor[#1][#2]{#3}
11 }

```

## Book reviews

```

1 \tl_new:N \l__letgut_bookreview_frontcover_tl
2 \tl_new:N \g__letgut_bookreview_bibkey_tl

```

The keys options are created.

```

1 \keys_define:nn { letgut/bookreview }
2 {
3   title .tl_gset:N = \g__letgut_bookreview_title_tl,
4   frontcover .tl_set:N = \l__letgut_bookreview_frontcover_tl,
5   bibkey .tl_gset:N = \g__letgut_bookreview_bibkey_tl,
6   reviewer .tl_gset:N = \g__letgut_bookreview_reviewer_tl,
7   price .tl_gset:N = \g__letgut_bookreview_price_tl,

```

All these options, when used, must receive a value.

```

1   title .value_required:n = true,
2   frontcover .value_required:n = true,
3   bibkey .value_required:n = true,
4   reviewer .value_required:n = true,
5 }

```

We create the new environment for the book reviews.

```

1 \cs_generate_variant:Nn \msg_warning:nnn { nnV }
2 \cs_generate_variant:Nn \msg_error:nnnn { nnVV }
3 \NewDocumentEnvironment{bookreview}{ m }
4 {
5   \tl_gclear:N \g__letgut_bookreview_price_tl
6   \keys_set:nn { letgut/bookreview } { #1 }
7   \section{\g__letgut_bookreview_title_tl}
8   \tl_if_empty:NTF \l__letgut_bookreview_frontcover_tl {
9     \msg_warning:nnV{letgut}{frontcover-missing}{

```

```

10      \g__letgut_bookreview_title_tl
11    }
12  }{

```

We check if the front cover file is available against the list of accepted extensions of the graphicx package.

```

1  \clist_map_inline:Nn \Gin@extensions {
2    \file_if_exist:nT{\l__letgut_bookreview_frontcover_tl##1}{
3      \bool_set_true:N \l__letgut_tmpa_bool
4      \clist_map_break:
5    }
6  }
7  \bool_if:NTF \l__letgut_tmpa_bool {
8    \marginpar{
9      \hspace*{\c__letgut_bookreview_frontcover_margin_sep_dim}
10     % \raggedleft
11     \raisebox{-\totalheight}{
12       \fbox{
13         \includegraphics*[width=-\c__letgut_title_hoffset_dim]{
14           \l__letgut_bookreview_frontcover_tl
15         }
16       }
17     }
18   }
19 }{
20   \msg_error:nnVV
21   {letgut}
22   {frontcover-file-not-found}
23   {\g__letgut_bookreview_title_tl}
24   {\l__letgut_bookreview_frontcover_tl}
25 }
26 }
27 \noindent
28 \textsf{\fullcite{\g__letgut_bookreview_bibkey_tl}}
29 \tl_if_empty:NF \g__letgut_bookreview_price_tl{
30   .\c_space_tl\g__letgut_bookreview_price_tl\c_space_tl €
31 }
32 \par
33 }{
34   \exp_args:NV \author{\g__letgut_bookreview_reviewer_tl}
35   \bool_if:NT \g__letgut_included_files_attached_bool {
36     \seq_map_inline:Nn \g__letgut_added_bib_resources_seq {
37       \seq_gput_right:Nn \g__letgut_included_files_seq {
38         \attachfile[
39           description={
40             Fichier~ bibliographique~ utilisé~ dans~ le~
41             présent~ article~ (fichier~ ``\tl_to_str:n{##1}``)
42           },
43           mimetype=application/x-bib
44         ]
45         {\tl_to_str:n{##1}}
46       }

```

```

47         }
48     }
49 }

```

## Keyboard keys

We make use of the Linux Biolinum Keyboard font and extend somehow the `\lKey` provided by the package `biolinum` in order to more easily write keyboard keys for usual characters on French keyboards.

[illegible]

## Miscellaneous

— We specify the possible hyphenations of « GUTenberg ».

```
1 \hyphenation{GUTen-berg}
```

## ISSN

```
1 \cs_new_protected:Npn \__letgut_issn:
2 {
3   \bool_if:NTF \g__letgut_paper_bool {
4     \c__letgut_paper_issn_tl
5   }{
6     \c__letgut_online_issn_tl
7   }
8 }
9 \NewDocumentCommand{\letgutissn}{ }{
10   \__letgut_issn:
11 }
```

## Non selectable text

We create a control sequence that makes its argument not selectable in the PDF. This will be used notably for the line numbers of the listings and the watermarks.

```
1 \cs_new_protected:Npn \__letgut_unselectable:n #1
2 {
3   \BeginAccSupp{ActualText={}}#1\EndAccSupp{}
4 }
```

## Typesetting of code, etc.

We provide a `\meta` macro that (poorly) mimics the one of the package `doc`. It is added at the very end of the preamble since other package that provide another definition of this macro may have been loaded (e.g. `tcolorbox`).

```
1 \colorlet {\__letgut_meta} {
2   brown
3 }
4 \cs_new_protected:Nn \__letgut_meta:nn
5 {
6   \bgroup
7   \normalfont
8   \ttfamily
9   \itshape
10  \textcolor{#1}{\langle$#2$\rangle$}
11  \egroup
12 }
13 \AddToHook{begindocument/end}{
14   \DeclareDocumentCommand{\meta}{ O{\__letgut_meta} m } {
15     \__letgut_meta:nn {#1}{#2}
16   }
17 }
```

## Input of articles

We create our own `\input` command for the articles of the Lettre with the following characteristics :

- The previous style is applied automatically. Hence, the keywords defined in a previous file (by loading some peticular (La)TeX dialects, i.e. control sequences and keywords specific to some class or packages) won't interfere with the ones of the current file.
- All the acronyms are reset (each acronym is developped at its first occurrence).
- The source file of the article is attached to the PDF (if desired, otherwise, use the starred version).

We first create a function that attach to the PDF a file only if it exists in the current directory and is non empty. This will be applied to both the `localconf.tex` and `pre-documentclass.tex` files below.

```

1 \cs_new_protected:Npn \__letgut_attach_non_empty_existing_file:n #1 {
2   \file_get_size:nN {./#1.tex} \l__letgut_tmpa_tl
3   \quark_if_no_value:NF \l__letgut_tmpa_tl {
4     \tl_if_eq:NnF \l__letgut_tmpa_tl {0} {
5       \seq_gput_left:Nn \g__letgut_included_files_seq {
6         \attachfile[
7           description={Source~ nécessaire~ (fichier~ `#1.tex`)},
8           mimetype=application/x-tex]
9           {#1.tex}
10      }
11    }
12  }
13 }
14
1 \cs_new_protected:Npn \__letgut_input_article:nn #1 #2
2 {
3   \FloatBarrier
4   \lstset{ style=__letgut_reset_listings_styles }
5   \acresetall%
6   \begin{refsection}
7     \input{#2}%
8   \end{refsection}
9   \bool_if:NT \g__letgut_included_files_attached_bool {
10     \IfBooleanF {#1}{
11       \__letgut_attach_non_empty_existing_file:n {
12         \c__letgut_local_config_file_tl
13       }
14       \__letgut_attach_non_empty_existing_file:n {
15         \c__letgut_pre_documentclass_file_tl
16       }
17       \seq_gput_left:Nn \g__letgut_included_files_seq {
18         \attachfile[
19           description={Source~ du~ présent~ article~ (fichier~ `#2.tex`)},
20           mimetype=application/x-tex]
21           {#2.tex}
22       }
23       \bool_if:NT \g__letgut_acronyms_file_attached_bool {
24         \seq_gput_right:No \g__letgut_included_files_seq {
25           \c__letgut_acronyms_file_attached_tl
26         }
27       }
28       \bool_if:NT \g__letgut_lstlanguage_file_attached_bool {

```

```

29     \seq_gput_right:No \g__letgut_included_files_seq {
30         \c__letgut_lstlanguage_file_attached_tl
31     }
32 }
33 \seq_remove_duplicates:N \g__letgut_included_files_seq
34 \seq_use:Nn \g__letgut_included_files_seq { \c_space_tl }
35 \seq_clear:N \g__letgut_included_files_seq
36 \bool_gset_false:N \g__letgut_acronyms_file_attached_bool
37 \bool_gset_false:N \g__letgut_lstlanguage_file_attached_bool
38 }
39 }
40 }
41 \NewDocumentCommand{\inputarticle}{ s m }{
42     \__letgut_input_article:nn { #1 } { #2 }
43 }

```

### Included graphics attached to the PDF

We hack the `\includegraphics` command in order to attach the included graphics to the PDF (if desired, otherwise, use the starred version).

```

1  \NewCommandCopy {\__letgut_orig_includegraphics} {\includegraphics}
2  \clist_set:Nx \l__letgut_tmpa_clist {\Gin@extensions}
3  \cs_new_protected:Npn \__letgut_includegraphics:nnn #1 #2 #3
4  {
5      \file_if_exist:nTF {./#3} {
6          \bool_if:NT \g__letgut_included_files_attached_bool {
7              \IfBooleanF {#1}{
8                  \seq_gput_left:Nn \g__letgut_included_files_seq {
9                      \attachfile[
10                         description={
11                             Fichier~ image~ inclus~ dans~ le~
12                             présent~ article~ (fichier~ `#3`)
13                         },
14                         mimetype=image
15                     ]{./#3}
16                 }
17             }
18         }
19         \__letgut_orig_includegraphics[#2]{./#3}
20     }{
21         \bool_gset_false:N \g__letgut_tmpa_bool
22         \clist_map_inline:Nn \l__letgut_tmpa_clist {%
23             \file_if_exist:nTF {./#3##1} {
24                 \clist_map_break:n {
25                     \bool_if:NT \g__letgut_included_files_attached_bool {
26                         \IfBooleanF {#1}{
27                             \seq_gput_left:Nn \g__letgut_included_files_seq {
28                                 \attachfile[
29                                     description={Fichier~ image~ inclus~ dans~ le~ présent~
30                                     article~ (fichier~ `#3##1`)},
31                                     mimetype=image/##1
32                                 ]{./#3##1}
33                             }

```

```

33         }
34     }
35     \__letgut_orig_includegraphics[#2]{#3}
36     \bool_gset_true:N \g__letgut_tmpa_bool
37 }
38 }
39 }
40 % \bool_if:NF \g__letgut_tmpa_bool {
41 %   \@latex@error{File~`#3'~not~found}%
42 %   {I~could~not~locate~the~file~with~any~of~these~
43 %     extensions:^^J%
44 %   \clist_use:Nn \l__letgut_tmpa_clist { ~ }^^J\@ehc}%
45 % }
46 }
47 \RenewDocumentCommand {\includegraphics} {s O{} m } {
48   \__letgut_includegraphics:nnn {#1} {#2} {#3}
49 }

```

### Added bibliographic ressources attached to the PDF

We hack the `\addbibresource` command in order to attach the bibliographic resources to the PDF (if desired, otherwise, use the starred version).

```

1  \cs_new:Nn \__letgut_extract_file_for:nn
2  {
3    \seq_clear:N \g__letgut_added_bib_resources_seq
4    \regex_extract_all:nnNT
5    {
6      \c{ #1 } \[?.*?\]?      \{ ( .*? ) \}
7    }
8    {
9      #2
10   }
11   \g__letgut_added_bib_resources_seq
12   {
13     \seq_map_indexed_inline:Nn \g__letgut_added_bib_resources_seq {
14       \int_if_odd:nT {##1}
15       {
16         \seq_gset_item:Nnn \g__letgut_added_bib_resources_seq {##1} {}
17       }
18     }
19     \seq_gremove_duplicates:N \g__letgut_added_bib_resources_seq
20     \seq_gpop:NN \g__letgut_added_bib_resources_seq \l_tmpa_tl
21   }
22 }
23
24 \NewCommandCopy {\__letgut_orig_addbibresource} {\addbibresource}
25 \cs_new_protected:Npn \__letgut_addbibresource:nnn #1 #2 #3
26 {
27   \__letgut_orig_addbibresource[#2]{#3}
28 }
29 \RenewDocumentCommand {\addbibresource} { s O{} m } {
30   \__letgut_addbibresource:nnn {#1} {#2} {#3}

```

```

31 }
32 \AddToHookWithArguments{cmd/sa@gobble/before}{
33   \__letgut_extract_file_for:nn { addbibresource }{ #1 }
34 }

```

### Added acronym definitions file attached to the PDF

We hack the \ac and \acs commands in order to attach the acronym definitions file to the PDF.

```

1  \bool_if:NT \g__letgut_included_files_attached_bool {
2    \tl_const:Nn \c__letgut_acronyms_file_attached_tl {
3      \attachfile[
4        description={
5          Source~ du~ fichier~ d'acronymes~ utilisé~ dans~
6          le~ présent~ article~
7          (fichier~ ` \c__letgut_acronyms_file_tl.tex`)
8        },
9        mimetype=application/x-tex]%
10     {\g__letgut_effective_acronyms_file_tl}%
11   }
12   \AddToHook{cmd/ac/before}{
13     \bool_gset_true:N \g__letgut_acronyms_file_attached_bool
14   }
15   \AddToHook{cmd/acs/before}{
16     \bool_gset_true:N \g__letgut_acronyms_file_attached_bool
17   }
18 }

```

### Added letgut listings language file attached to the PDF

We hack the \ac and \acs commands in order to attach the acronym definitions file to the PDF.

```

1  \bool_if:NT \g__letgut_included_files_attached_bool {
2    \tl_const:Nn \c__letgut_lstlanguage_file_attached_tl {
3      \attachfile[
4        description={
5          Source~ du~ fichier~ de~ langages~ informatiques~ utilisé~
6          dans~ le~ présent~ article~
7          (fichier~ ` \c__letgut_lstlanguage_file_tl`)
8        },
9        mimetype=application/x-tex]%
10     {../\c__letgut_lstlanguage_file_tl}%
11   }
12   \AddToHook{env/ltx-code/before}{
13     \bool_gset_true:N \g__letgut_lstlanguage_file_attached_bool
14   }
15   \AddToHook{env/ltx-code-result/before}{
16     \bool_gset_true:N \g__letgut_lstlanguage_file_attached_bool
17   }
18   \AddToHook{env/ltx-code-external-result/before}{
19     \bool_gset_true:N \g__letgut_lstlanguage_file_attached_bool
20   }
21 }

```



## Listings

We define a style for all the listings which resets all the  $\text{\TeX}$  control sequences and keywords, and fix some defaults.

```

1 \lstdefinestyle{__letgut_reset_listings_styles}{
2   basicstyle=\ttfamily,
3   breaklines,
4   language=TeX,%
5   texcs={},%
6   language={},%
7   keywords={},%
8   keywords=[2]{},%
9   keywords=[3]{},%
10  keywords=[4]{},%
11  keywords=[5]{},%
12  otherkeywords={},%
13  alsoletter={},%
14  alsodigit={},%
15  escapechar=f,
16  columns=fullflexible,
17  keepspaces=true,
18  upquote=true,
19  showstringspaces=false,
```

If line numbers are asked, they should always have the same layout and not be selectable (hence the `\__letgut_unselectable:n`).

```

1 numbersep=\c__letgut_number_sep_dim,
2 numberstyle=\scriptsize\ttfamily
3 \color{__letgut_foregroundLinenumbers}
4 \__letgut_unselectable:n,
```

Because of a current issue involving `parskip` and `listings` (<https://github.com/FrankMittelbach/fmtex-parskip/issues/3>), we have to set the skip below the displayed listings to a (almost) zero length. We do the same for the above skip.

```

1   aboveskip={0\p@ \@plus 6\p@},
2   belowskip={0\p@ \@plus 6\p@},
3 }
```

We define as short equivalent of `\lstinline` the character `™` which is unlikely to be used in ordinary text.

```

1 \lstMakeShortInline[breaklines=false]™
```

We start with an empty listings style.

```

1 \lstset{ style=__letgut_reset_listings_styles }
```

## $\text{\LaTeX}$ listings and examples

We define the colors for the syntax highlighting of  $\text{\LaTeX}$  listings.

```

1 \colorlet{__letgut_texcs}{blue}
2 \colorlet{__letgut_comment}{gray}
3 \colorlet{__letgut_argument_specification_separator}{red}
4 \colorlet{__letgut_argument_specification}{cyan}
5 \colorlet{__letgut_mandatory_argument}{purple}
6 \colorlet{__letgut_environment}{teal}
7 \colorlet{__letgut_key}{__letgut_mandatory_argument}
8 \colorlet{__letgut_value}{violet}
```

```

9 \colorlet{__letgut_optional_argument}{__letgut_key}
10 \colorlet{__letgut_math}{green!50!black}

```

We add our own language files taken in account by the package `listings`. They will be considered after the other usual ones, if found. They are searched firstly in the current directory, secondly in the parent directory, thirdly in the TDS.

```

1 \def\lstlanguagefiles{
2   % lstlang0.sty,
3   lstlang1.sty,
4   lstlang2.sty,
5   lstlang3.sty,
6   ./\c__letgut_lstlanguage_file_tl,
7   ../\c__letgut_lstlanguage_file_tl,
8   \c__letgut_lstlanguage_file_tl,
9 }

```

We define a listing style specific to  $\text{\LaTeX}$  listings.

```

1 \lstdefinestyle{__letgut_latex_listings_style}{
2   language=TeX,%
3   alsolanguage=[AllLaTeX]TeX,%
4   alsolanguage=[LaTeX]TeX,%
5   alsolanguage=[plain]TeX,%
6   alsolanguage=[common]TeX,%
7   alsolanguage=[primitive]TeX,%
8   alsolanguage=[extendedLaTeX]TeX,%
9   alsolanguage=[classes]TeX,%
10  texcsstyle=*\color{__letgut_texcs},
11  commentstyle=\color{__letgut_comment}\itshape,
12  keywordstyle= \color{__letgut_argument_specification_separator},
13  keywordstyle={2}\color{__letgut_environment}},
14  keywordstyle={3}\color{__letgut_key}},
15  keywordstyle={4}\color{__letgut_value}},
16  keywordstyle={5}\color{__letgut_argument_specification}},
17  keywordstyle={6}\color{__letgut_key}},
18  numbers=left,

```

The `listings` package defines some of the  $\text{\LaTeX}$ 's environments as keywords of order 1. This would force us to do the same in our own language driver file but would ruin our effort to stylize in a special way (in red) other keywords (see `otherkeywords={...}`) that are stylized as keywords of order 1. Hence, we delete these keywords of order 1 and will add them as keywords of order 2 like all the environments in our own language driver file (in the `extendedLaTeX` dialect that we load by default).

```

1 deletekeywords={%
2   array,center,displaymath,document,enumerate,eqnarray,%
3   equation,flushleft,flushright,itemize,list,lrbox,math,minipage,%
4   picture,sloppypar,tabbing,tabular,trivlist,verbatim,%
5 },%
1  literate=*\%
2  {\backslash}{\color{__letgut_texcs}\textbackslash\textbackslash}}{2}%
3  {\left}{\textcolor{__letgut_math}{\textbackslash[}}}{2}%
4  {\right}{\textcolor{__letgut_math}{\textbackslash]}}}{2}%
5  {\$}{\textcolor{__letgut_math}{\$}}}{1}%$
6 }

```

We first define some colors used in the listings and examples.

```

1 \definecolor{__letgut_backgroundCode}{cmyk}{0,0,0,0.04}
2 \definecolor{__letgut_borderCode}{cmyk}{0,0,0,0.2}
3 \definecolor{__letgut_foregroundLinenum}{cmyk}{0,0,0,0.5}
4 \definecolor{__letgut_foregroundMention}{cmyk}{0,0,0,0}
5 \definecolor{__letgut_backgroundResult}{cmyk}{0,0,0,0}

```

For the listings and examples, we rely on package `tcolorbox`, and more specifically on some of its libraries.

```

1 \tcbuselibrary{listings,breakable,skins,hooks,documentation}

```

We want some common settings for all the `~tcolorbox~`s.

```

1 \tcbset{
2   breakable,
3   sharp~ corners,
4   fonttitle=\sffamily\bfseries,
5 }

```

The functions :

- `\__letgut_code_result_mention_box:n` draws the mentions “code” and “résultat” in the codes boxes and the possible corresponding results boxes,
- `\__letgut_title_code_result_box:n` for the title of codes and the results boxes : “Exemple” followed by the number of the example and, if a title addon option is provided, the specified title addon.

```

1 \cs_new_protected:Npn \__letgut_code_result_mention_box:n #1 #2
2 {
3   \node[
4     minimum~ width=1cm,
5     minimum~ height=\c__letgut_height_mentions_dim,
6     outer~ sep=auto,
7     anchor=north~ east,
8     fill=__letgut_borderCode
9   ]~ at~ (#1)
10  {
11    \itshape
12    \small
13    \color{__letgut_foregroundMention}
14    \__letgut_unselectable:n {#2}
15  };
16 }
17 \cs_new_protected:Npn \__letgut_title_code_result_box:n #1
18 {
19   Exemple\nobreakspace\thetcbcounter
20   \tl_if_empty:NF {#1} { \hypersetup{hideliinks} \c_space_tl :~#1 }
21 }
22 \cs_new_protected:Nn \__letgut_on_callout_page:nn
23 {
24   \tl_set:Nn \l__letgut_tmpa_int {\getpagerefnumber{#1}}
25   \tl_set:Nn \l__letgut_tmpb_int {\thepage}
26   \int_compare:nNnF {\l__letgut_tmpa_int} = {\l__letgut_tmpb_int}
27   {#2}
28 }

```

We define the style of the codes.

```

1  \tl_set:Nn \l__letgut_reference_text_tl {
2    Cf.\vref{\g__letgut_label_ltx_example_str}.
3  }
4  \tcbset{
5    __letgut_code/.style={
6      listing~ options={
7        style=__letgut_latex_listings_style,
8      },
9      every~ float=\raggedleft,
10     colback=__letgut_backgroundCode,
11     boxrule=0.25mm,
12     colframe=__letgut_borderCode,
13     sidebyside~ align=top~ seam,
14     toprule~ at~ break=0mm,
15     bottomrule~ at~ break=0mm,
16     colbacktitle=__letgut_borderCode,
17     fonttitle=\sffamily\bfseries,
18     before~ title={
19       \tl_set:Nn \l__letgut__tex_stuff_font_switch_tl {\rmfamily}
20     },

```

We define a custom package `tcolorbox`'s `title` addon option that let us specify an addon to the title which will added after the automatically generated title “Exemple *<number>*”.

```

1  title~ addon/.store~ in=\l__letgut_title_addon_tl,
2  title=\__letgut_title_code_result_box:n {\l__letgut_title_addon_tl},

```

We define a custom package `tcolorbox`'s `reference` text option that let us override the text of the reference for the examples with code and result side by side that are floating and not being of their call out pages.

```

1  reference~ text/.code={
2    \tl_set:Nn \l__letgut_reference_text_tl {##1}
3  },

```

We define a custom package `tcolorbox`'s `result` width option that let us specify the width of the result which is `\linewidth` by default.

```

1  result~ width/.store~ in=\l__letgut_result_width_dim,
2  result~ width=\linewidth,
3  },

```

We define more specifically the style of the codes with results.

```

1  __letgut_code_result/.style={
2    __letgut_code={#1},
3    bicolor,
4    colbacklower=__letgut_backgroundResult,
5    segmentation~ at~ break=false,
6    top=\c__letgut_height_mentions_dim,
7    middle=\c__letgut_height_mentions_dim,

```

We want the side by side code/result examples to automatically be floating.

```

1  sidebyside@true/.code={%
2    \tcb@sidebyside@true%
3    \tcb@isbreakablefalse%
4    \pgfkeysalso{floatplacement=ht}%
5    \pgfkeysalso{float}%
6    \pgfkeysalso{label={\g__letgut_label_ltx_example_str}}%
7    \tl_set:Nx \l__letgut_tmpa_tl {
8      \getpagerefnumber {
9        \g__letgut_callout_label_ltx_example_str
10     }
11   }
12   \tl_set:Nx \l__letgut_tmpb_tl {
13     \getpagerefnumber {
14       \g__letgut_label_ltx_example_str
15     }
16   }
17   \tl_if_eq:NNF \l__letgut_tmpa_tl \l__letgut_tmpb_tl
18   {
19     \l__letgut_reference_text_tl
20     \tl_set:Nn \l__letgut_reference_text_tl {
21       Cf.\vref{\g__letgut_label_ltx_example_str}.
22     }
23     \pgfkeysalso{
24       drop~ shadow=black,
25       grow~ to~ left~ by=4cm,
26       boxed~ title~ style={sharp~ corners},
27     }
28     \pgfkeysalso{after~ title~ app=\c_space_tl (cf.\page~\thepage)}
29   }
30 },%
31 overlay={
32   \iftcb@sidebyside
33     \__letgut_code_result_mention_box:nn {segmentation.north} {code}
34     \__letgut_code_result_mention_box:nn {interior.north~ east} {résultat}
35   \else
36     \ifcase\tcbsegmentstate
37       % 0 = Box contains only an upper part
38       \__letgut_code_result_mention_box:nn {interior.north~ east} {code}
39     \or%
40       % 1 = Box contains an upper and a lower part
41       \__letgut_code_result_mention_box:nn {interior.north~ east} {code}
42       \int_compare:nNnT {\thetcbbreakpart} > {1} {~(suite)}
43     }
44     \__letgut_code_result_mention_box:nn {
45       [yshift=.1mm]segmentation.east
46     } {résultat}
47   \else%
48     % 2 = Box contains only a lower part
49     \__letgut_code_result_mention_box:nn {interior.north~ east} {résultat}
50     \int_compare:nNnT {\thetcbbreakpart} > {1} {~(suite)}
51   }
52 }
53 \fi

```

```

4 \fi
5 },
6 },
7 }

```

The package `tcolorbox` listings defined below make use of package `cleveref`'s features. But, since the latter package is loaded `\AddToHook{begindocument/before}`, the same is needed for these listings.

```

1 \AddToHook{begindocument/before}{

```

We now define the environments that let us display :

1. only  $\text{\LaTeX}$  code :

```

1 \DeclareTCBListing[
2   auto~ counter,
3   crefname={example}{examples}
4 ]{ltx-code}{ !0{} }{%
5   __letgut_code,
6   listing~ only,
7   #1%
8 }

```

1. both  $\text{\LaTeX}$  code and its result :

(a) ordinary :

```

1 \DeclareTCBListing[
2   use~ counter~ from=ltx-code,
3   crefname={example}{examples}
4 ]{ltx-code-result}{ !0{} }{%
5   __letgut_code_result,
6   #1%
7 }

```

1. with the result obtained externally :

```

1 \DeclareTCBListing[
2   use~ counter~ from=ltx-code,
3   crefname={example}{examples}
4 ]{ltx-code-external-result}{ 0{} m }{%
5   __letgut_code_result,
6   listing~ and~ comment,
7   image~ comment={width=\l__letgut_result_width_dim}{#2},
8   center~ lower,
9   #1%
10 }
1 }

```

The examples with code and result side by side will be floating but we want the ones being of their call out pages to have before and after them a reduced vertical glue (`\g__letgut_reduced_intextsep_dim`). Hence we store the original glue (`\intextsep`) in a custom one (`\g__letgut_orig_intextsep_dim`) in order to retrieve the original skip for floats other than these ones.

```

1 \skip_const:Nn \c__letgut_orig_intextsep_skip {\intextsep}
2 \skip_const:Nn \c__letgut_reduced_intextsep_skip {
3   4p@ \@plus .667\p@ \@minus .667\p@
4 }

```

We now use hooks in order to...

```

1 \AddToHook{env/ltx-code-result/before}{
2   \int_gincr:N \g__letgut_ltx_example_int
3   \str_set:Nx \g__letgut_label_ltx_example_str {
4     \c__letgut_label_ltx_example_str-
5     \int_use:N \g__letgut_ltx_example_int
6   }
7   \str_set:Nx \g__letgut_callout_label_ltx_example_str {
8     \c__letgut_callout_label_ltx_example_str-
9     \int_use:N \g__letgut_ltx_example_int
10  }
11  \label{\g__letgut_callout_label_ltx_example_str}
12  \tl_set:Nx \l__letgut_tmpa_tl {
13    \getpagerefnumber {
14      \g__letgut_callout_label_ltx_example_str
15    }
16  }
17  \tl_set:Nx \l__letgut_tmpb_tl {
18    \getpagerefnumber {
19      \g__letgut_label_ltx_example_str
20    }
21  }
22  \tl_if_eq:NNF \l__letgut_tmpa_tl \l__letgut_tmpb_tl
23  {
24    \skip_set_eq:NN \intextsep \c__letgut_reduced_intextsep_skip
25  }
26 }

```

Since the syntax highlighting is reset at each `\input`, the `ltx-code-*` environments above provide syntax highlighting only for the commands of the  $\TeX$ dialects specified in the class. So we provide a specific command that let us specify (the dialects of) the main language ( $\TeX$ by default) for which we want syntax highlighting. This assumes that the commands and keywords of these packages are listed (properly, according to the listings package syntax) in the ‘`lstlang0.sty`’ or `letgut-lstlang.sty` files.

```

1 \cs_new_protected:Npn \__letgut_tcbset:n #1
2 {
3   \tcbset{
4     __letgut_code/.append~ style={
5       listing~ options~ app={
6         #1
7       }
8     }
9   }
10 }
11 \cs_new_protected:Npn \__letgut_alsolanguage_list:nn #1 #2
12 {

```

To reduce syntax highlighting conflicts, we reset all previous ones each time a new one is asked.

```

1 \lstset{%
2   style=__letgut_reset_listings_styles,%
3 }
4 \tl_if_empty:nTF {#1} {
5   \tl_set:Nx \l__letgut_tmpa_tl {
6     alsolanguage={#2}
7   }
8   \exp_args:NV \__letgut_tcbset:n
9   {
10    \l__letgut_tmpa_tl
11  }
12 }{
13   \seq_set_from_clist:Nn \l__letgut_tmpa_seq {#1}
14   \seq_set_map_x:NNn \l__letgut_tmpb_seq \l__letgut_tmpa_seq {
15     alsolanguage={[#1]#2}
16   }
17   \tl_set:Nx \l__letgut_tmpa_tl
18   {
19     \seq_use:Nn \l__letgut_tmpb_seq {,}
20   }
21   \exp_args:NV \__letgut_tcbset:n
22   {
23     \l__letgut_tmpa_tl
24   }
25 }
26 }
27 \NewDocumentCommand{\syntaxhl}{ O{TeX} m }{%
28   \__letgut_alsolanguage_list:nn {#2} {#1}
29 }

```

### Terminal listings

We define a command dedicated to terminal stdin and stdout.

```
1 \AddToHook{begindocument/before}{
```

We define a listing style specific to these terminal commands.

```

1 \definecolor{__letgut_terminal_prompt}{RGB}{204,0,0}
2 \colorlet{__letgut_terminal_comment}{gray!80}
3 \definecolor{__letgut_terminal_commands}{RGB}{241,124,81}
4 \definecolor{__letgut_terminal_keywords}{RGB}{173,127,168}
5 \definecolor{__letgut_terminal_variables}{RGB}{114,159,207}
6 \colorlet{__letgut_terminal_utilities}{__letgut_terminal_commands}
7 \definecolor{__letgut_terminal_strings}{RGB}{78,154,6}
1 \lstdefinestyle{__letgut_terminal_listings_style}{
2   commentstyle= \color{__letgut_terminal_comment},
3   keywordstyle= \color{__letgut_terminal_commands},
4   keywordstyle={[2]\color{__letgut_terminal_keywords}},
5   keywordstyle={[3]\color{__letgut_terminal_utilities}},
6   stringstyle= \color{__letgut_terminal_strings},
7   literate=**%
8   {$}{{\textcolor{__letgut_terminal_variables}{\$}}}{1}%$
9 }

```



We define a dialect which is missing in the package `listings`.

```

1 \lstdefinelanguage{terminal}{%
2   morekeywords={%
3     alias,bg,bind,break,builtin,caller,cd,command,compgen,%
4     complete,comptop,continue,declare,dirs,disown,echo,enable,%
5     eval,exec,exit,export,fc,fg,getopts,hash,help,history,%
6     jobs,kill,let,local,logout,mapfile,popd,printf,pushd,pwd,%
7     read,readarray,readonly,return,set,shift,shopt,source,%
8     suspend,test,times,trap,type,typeset,ulimit,umask,unalias,%
9     unset,wait,%
10  },%
11  morekeywords=[2]{%
12    case,do,done,elif,else,esac,fi,for,function,if,in,select,%
13    then,time,until,while,%
14  },%
15  morekeywords=[3]{%
16    apropos,apt,apt-get,aptitude,aspell,at,awk,base32,base64,%
17    basename,bash,bc,bzip2,cal,cacat,cfdisk,chatr,chrp,%
18    chkconfig,chmod,chown,chpasswd,chroot,cksum,clear,cmp,comm,%
19    cp,cpio,cron,crontab,csplit,curl,cut,date,dc,dd,ddrescue,%
20    df,diff,diff3,dig,dir,dircolors,dirname,dmesg,dos2unix,%
21    dpkg,du,egrep,eject,env,ethtool,expand,expr,false,fdformat,%
22    fdisk,fgrep,file,find,fmt,fold,format,free,fsck,ftp,fuser,%
23    gawk,grep,grouppadd,grouppdel,grouppmod,groups,gzip,head,%
24    hostname,htop,iconv,id,ifconfig,ifdown,ifup,import,install,%
25    iostat,ip,join,killall,less,link,ln,locate,logname,look,%
26    lpc,lpr,lprint,lprintd,lprintq,lprm,ls,lsattr,lsblk,lsof,%
27    lspci,make,man,mkdir,mkfifo,mkfile,mkisofs,mknod,mktemp,%
28    mmv,more,mount,mtools,mtr,mv,nc,netstat,nft,nice,nl,%
29    nohup,notify-send,nslookup,op,open,passwd,paste,pathchk,%
30    Perf,pgrep,ping,pkill,pr,printcap,printenv,ps,pv,quota,%
31    quotacheck,ram,rar,rcp,reboot,remsync,rename,renice,rev,rm,%
32    rmdir,rsync,scp,screen,sdiff,sed,seq,sftp,shuf,shutdown,%
33    sleep,slocate,sort,split,ss,ssh,stat,strace,su,sudo,sum,%
34    sync,tail,tar,tee,timeout,tmux,top,touch,tput,tr,%
35    traceroute,true,tsort,tty,umount,uname,unexpand,uniq,units,%
36    unix2dos,unrar,unshar,uptime,useradd,userdel,usermod,users,%
37    uuencode,uuencode,vdir,vi,vmstat,watch,wc,wget,whereis,%
38    which,who,whoami,write,xargs,xdg-open,xxd,xz,yes,zip,%
39  },%
40  alsoletter={2346-},%
41  morecomment=[1]\#,%
42  morestring=[d]" ,%
43  morestring=[d]' ,%
44  sensitive%
45 }[keywords,comments,strings]%

```

We define some colors used in the terminal listings.

```

1 \definecolor{__letgut_foreground_terminal_dark}{named}{black}
2 \colorlet{__letgut_background_terminal_dark_stdin}{
3   letgut_pagecolor!95!gray
4 }

```

```

5 \colorlet{__letgut_background_terminal_dark_stdout}{
6   __letgut_background_terminal_dark_stdin!60
7 }
8 \definecolor{__letgut_foreground_terminal_light}{named}{black}
9 \definecolor{__letgut_background_terminal_light_stdin}{rgb}{
10   0.99,0.975,0.98
11 }
12 \colorlet{__letgut_background_terminal_light_stdout}{
13   __letgut_background_terminal_light_stdin!40
14 }

1 \bool_if:NTF \g__letgut_paper_bool {
2   \colorlet{__letgut_foreground_terminal}{
3     __letgut_foreground_terminal_light
4   }
5   \colorlet{__letgut_background_terminal_stdin}{
6     __letgut_background_terminal_light_stdin
7   }
8   \colorlet{__letgut_background_terminal_stdout}{
9     __letgut_background_terminal_light_stdout
10  }
11 }{
12   \colorlet{__letgut_foreground_terminal}{
13     __letgut_foreground_terminal_dark
14   }
15   \colorlet{__letgut_background_terminal_stdin}{
16     __letgut_background_terminal_dark_stdin
17   }
18   \colorlet{__letgut_background_terminal_stdout}{
19     __letgut_background_terminal_dark_stdout
20   }
21 }

```

We define the style of the `tcolorbox` in which the terminal stdin and stdout will be displayed.

```

1 \tcbset{%
2   terminal/.style={%
3     colupper=__letgut_foreground_terminal,
4     collower=__letgut_foreground_terminal,
5     breakable,
6     segmentation~ at~ break=false,
7     boxrule=0mm,
8     before~ lower={\tcbset{every~ listing~ line={}}},
9     listing~ options={%
10       style=__letgut_terminal_listings_style,
11       language=terminal,
12     },
13     fontupper=\ttfamily,
14     fontlower=\ttfamily,
15   },
16 }

```

We now define the command.

```

1  \cs_new_protected:Npn \__letgut_terminal:nnnn #1 #2 #3 #4
2  {
3    \bool_set_false:N \l__letgut_tmpa_bool
4    \tl_if_empty:nTF {#3}{
5      \tl_if_empty:nTF {#4}{
6        \bool_set_true:N \l__letgut_tmpa_bool
7      }{
8        \tcbset{colback=__letgut_background_terminal_stdout}
9      }
10   }{
11     \tcbset{colback=__letgut_background_terminal_stdin}
12     \tl_if_empty:nF {#4}{
13       \tcbset{
14         bicolor,
15         colbacklower=__letgut_background_terminal_stdout,
16       }
17     }
18   }
19   \bool_if:NF \l__letgut_tmpa_bool {
20     \begin{tcolorbox}[terminal,#2]
21       \lstset{aboveskip=0pt}
22       \tl_if_empty:nF {#3}{
23         \tl_if_empty:nF {#1}{
24           \textcolor{__letgut_terminal_prompt}{%
25             \ttfamily%
26             \bfseries%
27             \__letgut_unselectable:n {#1\c_space_tl}
28           }
29         }
30         #3
31         \tl_if_empty:nF {#4}{
32           \tcblower
33         }
34       }
35       \tl_if_empty:nF {#4}{
36         \tl_if_empty:nF {#3}{
37           \lstset{aboveskip=0pt}
38         }
39         \tcbset{
40           every~ listing~ line={},
41           listing~ options~ app={
42             language={}
43           }
44         }
45         #4
46       }
47     \end{tcolorbox}
48   }
49 }
50 \NewDocumentCommand{\terminal}{0{\$}0{}+v+v}{
51   \__letgut_terminal:nnnn {#1} {#2} {#3} {#4}
52 }

```

We close the `\AddToHook{begindocument/before}` argument.

```
1 }
```

### Unicode characters with positions above 256

Unicode characters with positions above 256 cause troubles in listings. Here is a workaround for some of them (see <https://tex.stackexchange.com/a/25396>).

```
1 \lst@InputCatcodes
2 \def\lst@DefEC{%
3   \lst@CCECUse \lst@ProcessLetter
4   ^^80^^81^^82^^83^^84^^85^^86^^87^^88^^89^^8a^^8b^^8c^^8d^^8e^^8f%
5   ^^90^^91^^92^^93^^94^^95^^96^^97^^98^^99^^9a^^9b^^9c^^9d^^9e^^9f%
6   ^^a0^^a1^^a2^^a3^^a4^^a5^^a6^^a7^^a8^^a9^^aa^^ab^^ac^^ad^^ae^^af%
7   ^^b0^^b1^^b2^^b3^^b4^^b5^^b6^^b7^^b8^^b9^^ba^^bb^^bc^^bd^^be^^bf%
8   ^^c0^^c1^^c2^^c3^^c4^^c5^^c6^^c7^^c8^^c9^^ca^^cb^^cc^^cd^^ce^^cf%
9   ^^d0^^d1^^d2^^d3^^d4^^d5^^d6^^d7^^d8^^d9^^da^^db^^dc^^dd^^de^^df%
10  ^^e0^^e1^^e2^^e3^^e4^^e5^^e6^^e7^^e8^^e9^^ea^^eb^^ec^^ed^^ee^^ef%
11  ^^f0^^f1^^f2^^f3^^f4^^f5^^f6^^f7^^f8^^f9^^fa^^fb^^fc^^fd^^fe^^ff%
12  ^^^^201c% for “
13  ^^^^201d% for ”
14  ^^^^215b% for ½
15  ^^^^2122% for ™
16  ^^^^2019% for ’
17  ^^^^0153% for ø
18  ^^^^0152% for Œ
19  ^^^^20ac% for €
20  ^^^^27e8% for
21  ^^^^27e9% for
22  ^^00%
23 }
24 \lst@RestoreCatcodes
```

### Local config file

Each issue of the Lettre requires certain local configurations : configuration dedicated to the issue in question, particular packages used in the articles, specific configurations of the package `listings`, etc. In order to not clutter the main fichier .tex of the Lettre, a local configuration file named `localconf.tex`, if present in the current directory, is automatically included at the end the preamble. And since this file is input in the current category régime (`\ExplSyntaxOn`), a `\ExplSyntaxOff` is automatically inserted at its beginning.

```
1 \file_if_exist:nT {./\c__letgut_local_config_file_tl}{
2   \@pushfilename
3   \xdef\@currname{\c__letgut_local_config_file_tl}
4   \input {./\c__letgut_local_config_file_tl}
5   \@popfilename
6 }
```

We don’t want the book review entry types to be listed in the bibliography (they appears only thanks to the bookreview environment).

```
1 \ExecuteBibliographyOptions[bookreview]{skipbib,skiplab}
1 \endinput
```

## (bibtex) Data model

We give the (bibtex) data model that enriches the default one for several purposes :

- the books reviews,
- the books advertisements.

```

1 \ProvidesFile{letgut.lbx}[2024-10-23 v0.9.11 letgut localization]
2 \InheritBibliographyExtras{french}
3 \DeclareBibliographyStrings{
4   inherit      = {french},
5   number       = {{\no}{\no}},
6   volume       = {{volume}{vol\adddot}},
7   volumes      = {{volumes}{vol\adddot}},
8 }

```

We create the new bibliography driver bookreview (that seems to create the corresponding new entry).

```

1 \ProvidesFile{letgut.dbx}[2024-10-23 v0.9.11 letgut data model macros]
2 \DeclareBibliographyDriver{bookreview}{%
3   \usebibmacro{bibindex}%
4   \usebibmacro{begentry}%
5   \usebibmacro{author/editor+others/translator+others}%
6   \setunit{\printdelim{nametitledelim}}
7   \newblock
8   \usebibmacro{maintitle+title}%
9   \newunit
10  \printlist{language}%
11  \newunit\newblock
12  \usebibmacro{byauthor}%
13  \newunit\newblock
14  \usebibmacro{byeditor+others}%
15  \newunit\newblock
16  \printfield{edition}%
17  \newunit
18  \iffieldundef{maintitle}
19    {\printfield{volume}%
20     \printfield{part}}
21    {}%
22  \newunit
23  \printfield{volumes}%
24  \newunit\newblock
25  \usebibmacro{series+number}%
26  \newunit\newblock
27  \printfield{note}%
28  \newunit\newblock
29  \usebibmacro{publisher+location+date}%
30  \newunit\newblock
31  \usebibmacro{chapter+pages}%
32  \newunit
33  \printfield{pagetotal}%
34  \newunit\newblock
35  \iftoggle{bbx:isbn}
36    {\printfield{isbn}}
37    {}%

```

```

38 \newunit\newblock
39 \usebibmacro{doi+eprint+url}%
40 \newunit\newblock
41 \usebibmacro{addendum+pubstate}%
42 \setunit{\bibpagerefpunct}\newblock
43 \usebibmacro{pageref}%
44 \newunit\newblock
45 \iftoggle{bbx:related}
46   {\usebibmacro{related:init}%
47     \usebibmacro{related}}
48   {}%
49   \finentrypunct
50 \usebibmacro{finentry}}

```

We provide a specific biblatex citation style .

```

1 \ProvidesFile{letgut.cbx}[2024-10-23 v0.9.11 letgut base citation style]
2 \RequireCitationStyle{numeric}

```

The books reviewed have their titles not only emphasized, but in bold face as well...

```

1 \DeclareFieldFormat[bookreview]{title}{\textbf{\emph{#1}}}

```

... but not their subtitles.

```

1 \renewbibmacro*{title}{%
2   \ifboolexpr{
3     test {\iffieldundef{title}}
4     and
5     test {\iffieldundef{subtitle}}
6   }
7   {}
8   {\printtext[title]{%
9     \printfield[titlecase]{title}%
10    \setunit{\subtitlepunct}}%
11    \printfield[emph]{subtitle}%
12    \newunit}%
13  \printfield{titleaddon}}

```

## Provided files

### Example file of an issue of the newsletter

```

1 % Hey, Emacs! This is a -*- mode: latex -*- file!
2
3 \documentclass{letgut}
4
5 \letgutsetup{
6   % % Option booléenne pour la version finale de la Lettre.
7   % % L'option contraire`draft` (par défaut) affiche
8   % % « Brouillon » en filigrane et actionne le package
9   % % `lua-typo`.
10  %
11  % , final
12  %
13  % % Option coloriant le fond de la page d'une couleur
14  % % par défaut (`1.0, 0.98, 0.94` en « rgb ») mais

```

```
15      % % modifiable au moyen de l'option `pagecolor` ci-dessous.
16      %
17      % , paper
18      %
19      % % Numéro de la Lettre
20      %
21      , number=44
22      %
23      % % Date de la Lettre. Celle-ci est déduite de la
24      % % date du jour, mais peut être spécifiée sous la forme
25      % % AAAA-MM (avec garde-fous) ou librement
26      % % (p. ex. `date=Printemps 2021`).
27      %
28      % , date=2025-16
29      %
30      % % Couleur de la page, à spécifier selon le modèle « rgb ».
31      %
32      % , pagecolor={1.0, 0.1, 0.94}
33      %
34      % % Couleur des hyperliens, à spécifier selon le modèle
35      % % « named ».
36      %
37      % , allcolorslinks=cyan
38      %
39      % % Un (r)appel à cotisation est automatiquement ajouté
40      % % en 1re page. Si on ne le souhaite pas, il suffit de
41      % % passer l'option `membership-reminder=false`.
42      %
43      % , membership-reminder=false
44      %
45      % % Si un fichier `editorial.tex`, on s'en doute censé
46      % % contenir l'éditorial, est présent dans le répertoire
47      % % courant, son contenu est automatiquement ajouté en
48      % % 1re page. Si un tel fichier est absent du répertoire
49      % % courant, une alerte est affichée à la place, sauf si,
50      % % parce qu'on ne souhaite pas d'éditorial, on passe
51      % % l'option `editorial=false`.
52      %
53      % , editorial=false
54      %
55      % % Les informations concernant GUTenberg, si elles
56      % % figurent dans un fichier `informations-gut.tex`
57      % % présent dans le répertoire courant, sont
58      % % automatiquement ajoutées en dernière page.
59      % % Si on ne souhaite pas que figurent ces
60      % % informations, il suffit de passer l'option
61      % % `informations=false`.
62      %
63      % , informations=false
64      %
65      % % Lors de la conception d'un numéro de la Lettre,
66      % % il peut être utile d'avoir un plan détaillé au
```

```

67      % % maximum de l'ensemble du document. C'est ce que
68      % % permet l'option `detailedtoc`.
69      %
70      % , detailedtoc
71      %
72      % % Les fichiers sources sont attachés au PDF si et seulement si la
73      % % Lettre est
74      % % à la fois en version pour les lecteurs (option `for-readers' activée
75      % % par
76      % % défaut) et en sortie écran (option `screen' activée par défaut). L'
77      % % option
78      % % `reverse-files-attachement' inverse ce comportement par défaut.
79      %
80      % , reverse-files-attachement
81      %
82      }
83
84      \setmainfont{TeX Gyre Schola} % Par exemple
85
86      \usepackage[maths=both]{duckuments}
87      \usepackage{mwe}
88
89      % \addbibresource{biblio.bib}
90
91      \begin{document}
92      \duckument
93      \end{document}
94
95      %%% Local Variables:
96      %%% TeX-engine: luatex
97      %%% TeX-master: t
98      %%% End:

```

### Example of an editorial

```

1      Ceci est un intéressant éditorial de la \lettregut{}
2      dans lequel on peut causer de l'\ag{} et du \ca{}
3      de l'association. Il peut aussi y être question du \ctan.
4
5      \lipsum[1-5]
6
7      \begin{figure}[ht]
8      \centering
9      \includegraphics[width=.7\linewidth]{example-image}
10     \caption{Ducks ?}
11     \label{fig:ducks}
12     \end{figure}
13
14     \lipsum[6-10]

```

### Informations about GUTenberg

```

1      % Hey, Emacs! This is a -*- mode: latex -*- file!

```



```

2
3 \enlargethispage{1.5cm}
4 \scriptsize
5 \vspace*{-1cm}
6 \hspace*{-1.5cm}%
7 \ExplSyntaxOn
8 \raisebox{-\height+0.7\baselineskip}{%
9   \begin{minipage}[t]{.6\textwidth}%\vspace{0pt}%
10    \_letgut_orig_includegraphics*[width=\linewidth]{logo-gut.pdf}
11   \end{minipage}%
12 }%
13 \ExplSyntaxOff
14 \hfill%
15 \begin{minipage}[t]{.5\textwidth}%\vspace{0pt}%
16   \footnotesize\raggedleft%
17   Association \gut{}\
18   15 rue des Halles -- \textsc{bp} 74\
19   75001 Paris\
20   France\
21   \url{secretariat[at]gutemberg-asso[dot]fr}
22 \end{minipage}%
23
24 \begin{description}
25 \item[Site Internet :] \url{https://www.gutenberg-asso.fr/}
26 \item[\Cahiers{} :] \url{http://www.numdam.org/journals/CG/}
27 \item[Problèmes techniques :]
28   \leavevmode
29   \begin{description}
30     \item[la liste \texttt{gut} :]
31       \url{https://www.gutenberg-asso.fr/-Listes-de-diffusion-}
32     \item[le site \hologo{TeX}nique de questions et réponses :]
33       \url{https://texnique.fr/}
34     \item[la foire aux questions :]
35       \url{https://faq.gutenberg-asso.fr/}
36   \end{description}
37 \end{description}
38 %
39 \alertbox{%
40   Cette association est la vôtre : faites-nous part de
41   vos idées, de vos envies, de vos préoccupations
42   à l'adresse \url{secretariat[at]gutemberg-asso[dot]fr}.%
43 }
44
45 % \section[Association GUTenberg (tout sur l')]{
46 % {Adhésion à l'association}
47 \title{Adhésion à l'association}
48 \label{letgut_label_adhesions}
49
50 \begin{itemize}
51 \item % Adhésions et abonnements
52   Les adhésions sont à renouveler en début d'année
53   pour l'année civile.

```

```

54      % \item Il n'y a pas de lettre de rappel, chaque membre
55      % doit faire son renouvellement annuel; %\hspace*{1em}
56      % merci de renvoyer spontanément le bulletin ci-dessous
57      % en début d'année.
58 \item Les administrations peuvent joindre un bon de commande
59      revêtu de la signature de la personne responsable ;
60      les étudiants doivent joindre un justificatif.
61      % \item Si vous souhaitez que vos coordonnées restent
62      % confidentielles, merci de le signaler.
63 \end{itemize}
64
65 \vspace*{-0.7cm}
66 \section{Tarifs \the\year}
67
68 Les membres de \gut\ peuvent adhérer à l'association
69 internationale, le \acf{tug}, et recevoir son bulletin
70 \tugboat{} à un tarif préférentiel :
71 \begin{description}
72 \item[tarif normal :] 65~€ (au lieu de 85~\$)
73 \item[tarif étudiant :] 40~€ (au lieu de 55~\$)
74 \end{description}
75 % (49~€50), étudiants et demandeurs d'emploi :
76 % 29~€, au lieu de 85\$ et % 65\$). Voir
77 % \url{%
78 % https://www.gutenberg-asso.fr/?Adherer-en-ligne%
79 % }.
80
81 \footnotesize
82 \begin{center}
83   \begin{tabular}{lr}
84     \toprule
85     \textbf{Type d'adhésion} & \textbf{Prix} \\
86     \midrule
87     Membre individuel & 30~€ \\
88     Membre individuel + adhésion \acs{tug} & 95~€ \\
89     Membre individuel étudiant/demandeur d'emploi & 15~€ \\
90     Membre individuel étudiant + adhésion \acs{tug} & 55~€ \\
91     Association d'étudiants & 65~€ \\
92     Organisme à but non lucratif & 130~€ \\
93     Organisme à but lucratif & 229~€ \\
94     \bottomrule
95   \end{tabular}
96 \end{center}
97
98 \section{Règlements}
99
100 Les règlements peuvent s'effectuer par :
101 \begin{itemize}
102 \item \textbf{virement bancaire}%
103   \footnote{Nous vous remercions de \textbf{privilégier}
104     le \textbf{virement bancaire}.\label{fn:1}} (\textsc{iban} :
105     FR76 3000 3001 0900 0372 6086 280)%

```

```

106     \leavevmode
107
108     \alertbox{%
109         Veuillez à bien \emph{indiquer vos nom et prénom}
110         dans les références du virement !%
111     }
112     \item Paypal\footnotemark[\value{footnote}] :
113         \url{https://www.gutenberg-asso.fr/?Adherer-en-ligne}
114     \item bulletin et chèque\footnotemark[\value{footnote}] :
115         \url{https://www.gutenberg-asso.fr/?Adherer-a-l-association}
116     \end{itemize}
117
118     \vfill
119
120     \mbox{}
121
122     \vfill{}
123
124     \begin{center}
125         \begin{tblr}{
126             width=.9\linewidth,
127             colspec={
128                 % < (Just not to disturb the parentheses
129                 % balancing detection of my editor.)
130                 >\bfseries}r@{ }X
131             },
132             vline{1,3}={solid},
133             hline{1,7}={solid},
134             rowsep=0mm,
135             row{1} = {abovesep+=.25cm},
136             row{2} = {belowsep+=.125cm},
137             row{6} = {belowsep+=.25cm},
138             % colsep=2.5mm,
139         }
140         \SetCell[c=2]{c} \emph{La \lettregut}\\
141         \SetCell[c=2]{c} \mdseries Bulletin irrégulomestriel
142         de l'association \gut\\
143         Directeur de la publication :
144         & \person{Bideault, Patrick} \\
145         Comité de rédaction :
146         & {Patrick Bideault, Denis Bitouzé, \\
147             Céline Chevalier, Maxime Chupin \& Bastien Dumont} \\
148         Adresse de la rédaction : &
149         {
150             Association \gut\\
151             15 rue des Halles -- \textsc{bp} 74\\
152             75001 Paris
153         }
154         \\
155         \acs{issn} : & \letgutissn
156     \end{tblr}
157     \end{center}

```

158 `\clearpage`

## Acronyms

```

1  % Hey, Emacs! This is a -*- mode: latex -*- file!
2
3  %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
4  % Acronymes anglais %
5  %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
6  \letgutacro%
7  {CTAN}%
8  {\href{https://www.ctan.org/}{Comprehensive \hologo{TeX} Archive
9   Network}}%
10 [réseau complet d'archives \hologo{TeX}]
11
12 \letgutacro%
13 {PDF}%
14 {Portable Document Format}%
15 [format de document portable]
16
17 \letgutacro%
18 {URL}%
19 {Uniform Resource Locator}%
20 [localisateur uniforme de ressource ou, plus clairement, format des
21  adresses du Web]
22
23 \letgutacro%
24 {ORCID}%
25 {Open Researcher and Contributor \textsc{id}}%
26 [identifiant ouvert pour chercheur et contributeur]
27
28 \letgutacro[extra-foreign=souvent librement traduit en \enquote{foire
29  %aux questions}]
30 {FAQ}%
31 {Frequently Asked Questions}%
32 [questions fréquemment posées]
33
34 \letgutacro%
35 {SVG}%
36 {Scalable Vector Graphics}%
37 [graphiques vectoriels extensibles]
38
39 \letgutacro%
40 {DNS}%
41 {Domain Name System}%
42 [système de noms de domaine]
43
44 \letgutacro%
45 {VPS}%
46 {Virtual Private Server}%
47 [serveur dédié virtuel]
48
49 \letgutacro%
```

```
50 {LDAP}%
51 {Lightweight Directory Access Protocol}%
52 [protocole d'accès à répertoire léger, système garantissant
53   l'authentification d'utilisateurs de plusieurs services dispersés]
54
55 \letgutacro%
56 {OTF}%
57 {Open Type Format}%
58 []
59
60 \letgutacro%
61 {DOI}%
62 {Digital Object Identifier}%
63 [identifiant numérique d'objet]
64
65 \letgutacro%
66 {ISSN}%
67 {International Standard Serial Number}%
68 [numéro international normalisé des publications en série]
69
70 \letgutacro%
71 {TUG}%
72 {\hologo{TeX} User Group}%
73 [groupe (international) d'utilisateurs de \hologo{TeX}]
74
75 \letgutacro%
76 {WCAG}%
77 {Web Content Accessibility Guidelines}%
78 [directives sur l'accessibilité du contenu Web]
79
80 \letgutacro%
81 {HTML}%
82 {HyperText Markup Language}%
83 [langage de balises pour l'hypertexte]
84
85 \letgutacro%
86 {CSS}%
87 {Cascading Style Sheets}%
88 [feuilles de style en cascade]
89
90 \letgutacro%
91 {UTF}%
92 {Universal (Character Set) Transformation Format}%
93 [format de transformation (du jeu) universel (de caractères codés)]
94
95 \letgutacro[short=\emph{Ti\emph{k}Z},short-format=\em,foreign-babel=
    german,foreign-locale=allemand]
96 {TIKZ}%
97 {Ti\emph{k}Z ist \emph{kein} Zeichenprogramm}%
98 [Ti\emph{k}Z \emph{n'}est \emph{pas} un programme de dessin]
99
100 \letgutacro%
```

```
101 {PGF}%
102 {Portable Graphics Format}%
103 [format de graphiques portable]
104
105 \letgutacro%
106 {GPL}%
107 {\textsc{gnu} General Public License}%
108 [licence publique générale \textsc{gnu}]
109
110 \letgutacro%
111 {OFL}%
112 {SIL Open Font License}%
113 []
114
115 \letgutacro%
116 {DVI}%
117 {DeVice-Independent}%
118 [indépendant du type de périphérique]
119
120 \letgutacro%
121 {PS}%
122 {PostScript}%
123 []
124
125 \letgutacro%
126 {DVIPS}%
127 {\acs{dvi}-to-\acs{ps} (translator)}%
128 [(convertisseur) \acs{dvi} vers \acs{ps}]
129
130 \letgutacro%
131 {IPA}%
132 {International Phonetic Alphabet}%
133 [alphabet phonétique international]
134
135 \letgutacro%
136 {TIPA}%
137 {\hologo{TeX} \acs{ipa} or Tokyo \acs{ipa}}%
138 [alphabet phonétique international]
139
140 \letgutacro%
141 {XML}%
142 {eXtensible Markup Language}%
143 [langage de balisage extensible]
144
145 \letgutacro%
146 {APA}%
147 {American Psychological Association}%
148 [association américaine de psychologie]
149
150 \letgutacro%
151 {OS}%
152 {Operating System}%
```

```
153 [système d'exploitation]
154
155 \letgutacro%
156 {BSD}%
157 {Berkeley Software Distribution}%
158 [collection de logiciels de Berkeley]
159
160 \letgutacro%
161 {IMAP}%
162 {Internet Message Access Protocol}%
163 []
164
165 \letgutacro%
166 {SMTP}%
167 {Simple Mail Transfer Protocol}%
168 [protocole simple de transfert de courrier]
169
170 \letgutacro%
171 {RTF}%
172 {Rich Text Format}%
173 [format de texte enrichi]
174
175 \letgutacro%
176 {WYSIWYG}%
177 {What You See Is What You Get}%
178 [ce que vous voyez est ce que vous obtenez]
179
180 \letgutacro%
181 {ISO}%
182 {\href{https://www.iso.org/home.html}{International Organization for
183     Standardization}}%
184 [\href{https://www.iso.org/fr/home.html}{organisation internationale de
185     normalisation}]
186
187 \letgutacro%
188 {OFF}%
189 {Open Font Format}%
190 [format de fonte ouvert]
191
192 \letgutacro%
193 {CSV}%
194 {Comma-separated values}%
195 [valeurs séparées par des virgules]
196
197 \letgutacro%
198 {YAML}%
199 {\textsc{yaml} Ain't Markup Language}%
200 [\textsc{yaml} n'est pas un langage de balisage (acronyme récursif)]
201
202 \letgutacro%
203 {UCA}%
204 {Unicode Collation Algorithm}%
```

```

205 [algorithme de tris d'Unicode]
206
207 \letgutacro%
208 {NFSS}%
209 {New Font Selection Scheme}%
210 [nouveau schéma de sélection de fonte]
211
212 \letgutacro%
213 {ASCII}%
214 {American Standard Code for Information Interchange}%
215 [code américain normalisé pour l'échange d'information]
216
217 \letgutacro%
218 {TDS}%
219 {\TeX{}} Directory Structure}%
220 [structure de répertoire de \TeX{}]
221
222 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
223 % Acronymes français %
224 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
225 \letgutacro%
226 {SMAI}%
227 {\href{http://smai.emath.fr/}{Société de Mathématiques Appliquées et
228   Industrielles}}%
229
230 \letgutacro%
231 {AG}%
232 {Assemblée Générale}%
233
234 \letgutacro%
235 {CA}%
236 {Conseil d'Administration}%
237
238 \letgutacro%
239 {SHS}%
240 {Sciences Humaines et Sociales}%
241
242 \letgutacro%
243 {IREM}%
244 {\href{https://www.univ-irem.fr/}{Instituts de Recherche sur
245   l'Enseignement des Mathématiques}}%
246
247 \letgutacro%
248 {MEEF}%
249 {Métiers de l'Enseignement, de l'Éducation et de la Formation}%
250
251 \letgutacro%
252 {ECM}%
253 {\href{https://texnique.fr/osqa/faq/\#custom-id-ecm}{Exemple Complet
254   Minimal}}%
255
256 \letgutacro%

```



```

257 {INSPÉ}%
258 {\href{https://www.reseau-inspe.fr/}{Instituts Nationaux Supérieurs du
259   Professorat et de l'Éducation}}%
260
261 \letgutacro%[short=\textsc{gra}pp\textsc{a},short-format=\upshape]
262 {GRAppA}%
263 {Groupe de recherche en Apprentissage Automatique}%
264
265 \letgutacro%
266 {BBB}%
267 {BigBlueButton}%
268
269 \letgutacro%
270 {CV}%
271 {Curriculum Vitæ}%
272
273 \letgutacro%
274 {RGPD}%
275 {Règlement Général sur la Protection des Données}%
276
277 \letgutacro%
278 {NDLR}%
279 {Note de la Rédaction}%
280
281 \letgutacro%
282 {BTS}%
283 {Brevet de Technicien Supérieur}%
284
285 \letgutacro%
286 {APMEP}%
287 {Association des Professeurs de Mathématiques de l'Enseignement Public}%
288
289 \letgutacro%
290 {PAO}%
291 {Publication Assistée par Ordinateur}%

```

### Language driver file

```

1 % \lst@definlanguage[...]{TeX}{%
2 %   % Control sequences names
3 %   moretexcs={%
4 %   },%
5 %   % Keywords of class 1 : keywords that contain other characters
6 %   %   (since of the same class as the ones specified as 'otherkeywords')
7 %   morekeywords={%
8 %   },%
9 %   % Keywords of class 2 : environments names
10 %   morekeywords=[2]{%
11 %   },%
12 %   % Keywords of class 3 : mandatory arguments (not environments) &
13 %   % optional arguments which are keys (in key=value)
14 %   morekeywords=[3]{%
15 %   },%

```

```

16 % % Keywords of class 4 : values of keys (in key=value)
17 % morekeywords=[4]{%
18 % },%
19 % % Keywords of class 5 : arguments specifications (after ":" in expl3
20 % % syntax)
21 % morekeywords=[5]{%
22 % },%
23 % % Keywords of class 6 : current package name (and possibly derived
24 % % packages)
25 % morekeywords=[6]{%
26 % %
27 % },%
28 % % otherkeywords={},
29 % % alsoletter={},
30 % % alsodigit={},%
31 % % alsoother={},%
32 % sensitive,%
33 % }[keywords, tex, comments]
34
35 \lstdefinlanguage[lstfiracode]{TeX}{%
36 % Control sequences names
37 moretexcs={%
38 },%
39 % Keywords of class 1 : keywords that contain other characters
40 % (since of the same class as the ones specified as 'otherkeywords')
41 morekeywords={%
42 },%
43 % Keywords of class 2 : environments names
44 morekeywords=[2]{%
45 },%
46 % Keywords of class 3 : mandatory arguments (not environments) &
47 % optional arguments which are keys (in key=value)
48 morekeywords=[3]{%
49 },%
50 % Keywords of class 4 : values of keys (in key=value)
51 morekeywords=[4]{%
52 FiraCodeStyle%
53 },%
54 % Keywords of class 5 : arguments specifications (after ":" in expl3
55 % syntax)
56 morekeywords=[5]{%
57 },%
58 % Keywords of class 6 : current package name (and possibly derived
59 % packages)
60 morekeywords=[6]{%
61 lstfiracode%
62 },%
63 % otherkeywords={},
64 % alsoletter={},
65 % alsodigit={},%
66 % alsoother={},%
67 sensitive,%

```

```

68 }[keywords,tex,comments]
69
70 \lst@definlanguage[Scrabble]{TeX}{%
71   % Control sequences names
72   moretexcs={%
73     PlateauScrabble,ScrabblePlaceMot,%
74     ScrabbleBoard,ScrabblePutWord,%
75   },%
76   % Keywords of class 1 : keywords that contain other characters
77   % (since of the same class as the ones specified as 'otherkeywords')
78   morekeywords={%
79   },%
80   % Keywords of class 2 : environments names
81   morekeywords=[2]{%
82     EnvScrabble,%
83   },%
84   % Keywords of class 3 : mandatory arguments (not environments) &
85   % optional arguments which are keys (in key=value)
86   morekeywords=[3]{%
87     FR,EN,DE,ES,GR,SP,%
88     Echelle,Echellelabels,Cadre,Labels,Aide,%
89     Scale,ScaleLabels,Border,Help,%
90   },%
91   % Keywords of class 4 : values of keys (in key=value)
92   morekeywords=[4]{%
93   },%
94   % Keywords of class 5 : arguments specifications (after ":" in expl3
95   % syntax)
96   morekeywords=[5]{%
97   },%
98   % Keywords of class 6 : current package name (and possibly derived
99   % packages)
100  morekeywords=[6]{%
101    Scrabble%
102  },%
103  % otherkeywords={},
104  % alsoletter={},
105  % alsodigit={},%
106  % alsoother={},%
107  sensitive,%
108 }[keywords,tex,comments]
109
110 \lst@definlanguage[FiraSans]{TeX}{%
111   % Control sequences names
112   moretexcs={%
113     sufigures,firaoldstyle,firalinig,firatabular,firaproportional,
114     firathin,firalight,firaextralight,firaultralight,firamedium,firabook
115     ,
116     firasemibold,firaextrabold,firaheavy,%
117   }%
118   % Keywords of class 1 : keywords that contain other characters
119   % (since of the same class as the ones specified as 'otherkeywords')

```

```

119     morekeywords={%
120     },%
121     % Keywords of class 2 : environments names
122     morekeywords=[2]{%
123     },%
124     % Keywords of class 3 : mandatory arguments (not environments) &
125     % optional arguments which are keys (in key=value)
126     morekeywords=[3]{%
127         sfdefault,scaled,scale,type1,lining,lf,oldstyle,osf,tabular,t,
128         proportional,%
129         p,book,medium,mb,semibold,sb,light,l,extralight,ultralight,thin,%
130         extrabold,heavy,default,%
131     },%
132     % Keywords of class 4 : values of keys (in key=value)
133     morekeywords=[4]{%
134     },%
135     % Keywords of class 5 : arguments specifications (after ":" in expl3
136     % syntax)
137     morekeywords=[5]{%
138     },%
139     % Keywords of class 6 : current package name (and possibly derived
140     % packages)
141     morekeywords=[6]{%
142         FiraSans%
143     },%
144     % otherkeywords={},
145     alsoletter={1},
146     % alsodigit={},%
147     % alsoother={},%
148     sensitive,%
149 }[keywords, tex, comments]
150
151 \lst@definlanguage[luagcd]{TeX}{%
152     % Control sequences names
153     moretexcs={%
154         luagcdwithsteps,%
155     },%
156     % Keywords of class 1 : keywords that contain other characters
157     % (since of the same class as the ones specified as 'otherkeywords')
158     morekeywords={%
159     },%
160     % Keywords of class 2 : environments names
161     morekeywords=[2]{%
162     },%
163     % Keywords of class 3 : mandatory arguments (not environments) &
164     % optional arguments which are keys (in key=value)
165     morekeywords=[3]{%
166     },%
167     % Keywords of class 4 : values of keys (in key=value)
168     morekeywords=[4]{%
169     },%
170     % Keywords of class 5 : arguments specifications (after ":" in expl3

```

```

170     % syntax)
171     morekeywords=[5]{%
172     },%
173     % Keywords of class 6 : current package name (and possibly derived
174     % packages)
175     morekeywords=[6]{%
176     luagcd%
177     },%
178     % otherkeywords={},
179     % alsoletter={},
180     % alsodigit={},%
181     % alsoother={},%
182     sensitive,%
183 }[keywords,tex,comments]
184
185 \lst@definlanguage[maze]{TeX}{%
186     % Control sequences names
187     moretexcs={%
188     maze,%
189     },%
190     % Keywords of class 1 : keywords that contain other characters
191     % (since of the same class as the ones specified as 'otherkeywords')
192     morekeywords={%
193     },%
194     % Keywords of class 2 : environments names
195     morekeywords=[2]{%
196     },%
197     % Keywords of class 3 : mandatory arguments (not environments) &
198     % optional arguments which are keys (in key=value)
199     morekeywords=[3]{%
200     },%
201     % Keywords of class 4 : values of keys (in key=value)
202     morekeywords=[4]{%
203     },%
204     % Keywords of class 5 : arguments specifications (after ":" in expl3
205     % syntax)
206     morekeywords=[5]{%
207     },%
208     % Keywords of class 6 : current package name (and possibly derived
209     % packages)
210     morekeywords=[6]{%
211     maze%
212     },%
213     % otherkeywords={},
214     % alsoletter={},
215     % alsodigit={},%
216     % alsoother={},%
217     sensitive,%
218 }[keywords,tex,comments]
219
220 \lst@definlanguage[animate]{TeX}{%
221     % Control sequences names

```

```

222     moretexcs={%
223         multiframe,%
224     },%
225     % Keywords of class 1 : keywords that contain other characters
226     % (since of the same class as the ones specified as 'otherkeywords')
227     morekeywords={%
228     },%
229     % Keywords of class 2 : environments names
230     morekeywords=[2]{%
231         animateinline,
232     },%
233     % Keywords of class 3 : mandatory arguments (not environments) &
234     % optional arguments which are keys (in key=value)
235     morekeywords=[3]{%
236         poster,controls,palindrome,bb,rx,%
237     },%
238     % Keywords of class 4 : values of keys (in key=value)
239     morekeywords=[4]{%
240         first,%
241     },%
242     % Keywords of class 5 : arguments specifications (after ":" in expl3
243     % syntax)
244     morekeywords=[5]{%
245     },%
246     % Keywords of class 6 : current package name (and possibly derived
247     % packages)
248     morekeywords=[6]{%
249         animate%
250     },%
251     % otherkeywords={},
252     % alsoletter={},
253     % alsodigit={},%
254     % alsoother={},%
255     sensitive,%
256 }[keywords, tex, comments]
257
258 \lstdefinlanguage[tikz-mirror-lens]{TeX}{%
259     % Control sequences names
260     moretexcs={%
261         lensSphGaussFixed,%
262     },%
263     % Keywords of class 1 : keywords that contain other characters
264     % (since of the same class as the ones specified as 'otherkeywords')
265     morekeywords={%
266     },%
267     % Keywords of class 2 : environments names
268     morekeywords=[2]{%
269     },%
270     % Keywords of class 3 : mandatory arguments (not environments) &
271     % optional arguments which are keys (in key=value)
272     morekeywords=[3]{%
273     },%

```

```

274 % Keywords of class 4 : values of keys (in key=value)
275 morekeywords=[4]{%
276 },%
277 % Keywords of class 5 : arguments specifications (after ":" in expl3
278 % syntax)
279 morekeywords=[5]{%
280 },%
281 % Keywords of class 6 : current package name (and possibly derived
282 % packages)
283 morekeywords=[6]{%
284 tikz-mirror-lens%
285 },%
286 % otherkeywords={},
287 alsoletter={-},
288 % alsodigit={},%
289 % alsoother={},%
290 sensitive,%
291 }[keywords, tex, comments]
292
293 \lst@definlanguage[jeuxcartes]{TeX}{%
294 % Control sequences names
295 moretexcs={%
296 MainCartesJeu,%
297 },%
298 % Keywords of class 1 : keywords that contain other characters
299 % (since of the same class as the ones specified as 'otherkeywords')
300 morekeywords={%
301 },%
302 % Keywords of class 2 : environments names
303 morekeywords=[2]{%
304 },%
305 % Keywords of class 3 : mandatory arguments (not environments) &
306 % optional arguments which are keys (in key=value)
307 morekeywords=[3]{%
308 Eventail,10C,10K,AC,AT,AP,%
309 },%
310 % Keywords of class 4 : values of keys (in key=value)
311 morekeywords=[4]{%
312 },%
313 % Keywords of class 5 : arguments specifications (after ":" in expl3
314 % syntax)
315 morekeywords=[5]{%
316 },%
317 % Keywords of class 6 : current package name (and possibly derived
318 % packages)
319 morekeywords=[6]{%
320 jeuxcartes%
321 },%
322 % otherkeywords={},
323 alsoletter={0123456789},
324 % alsodigit={},%
325 % alsoother={},%

```

```

326     sensitive,%
327 }[keywords,tex,comments]
328
329 \lst@definlanguage[plex-otf]{TeX}{%
330     % Control sequences names
331     moretexcs={%
332         },%
333     % Keywords of class 1 : keywords that contain other characters
334     % (since of the same class as the ones specified as 'otherkeywords')
335     morekeywords={%
336         },%
337     % Keywords of class 2 : environments names
338     morekeywords=[2]{%
339         },%
340     % Keywords of class 3 : mandatory arguments (not environments) &
341     % optional arguments which are keys (in key=value)
342     morekeywords=[3]{%
343         RM
344         },%
345     % Keywords of class 4 : values of keys (in key=value)
346     morekeywords=[4]{%
347         },%
348     % Keywords of class 5 : arguments specifications (after ":" in expl3
349     % syntax)
350     morekeywords=[5]{%
351         },%
352     % Keywords of class 6 : current package name (and possibly derived
353     % packages)
354     morekeywords=[6]{%
355         plex-otf%
356         },%
357     % otherkeywords={},
358     % alsoletter={},
359     % alsodigit={},%
360     % alsoother={},%
361     sensitive,%
362 }[keywords,tex,comments]
363
364 \lst@definlanguage[mathtools]{TeX}{%
365     % Control sequences names
366     moretexcs={%
367         mathclap,DeclarePairedDelimiter,%
368         },%
369     % Keywords of class 1 : keywords that contain other characters
370     % (since of the same class as the ones specified as 'otherkeywords')
371     morekeywords={%
372         },%
373     % Keywords of class 2 : environments names
374     morekeywords=[2]{%
375         },%
376     % Keywords of class 3 : mandatory arguments (not environments) &
377     % optional arguments which are keys (in key=value)

```



```

378     morekeywords=[3]{%
379     },%
380     % Keywords of class 4 : values of keys (in key=value)
381     morekeywords=[4]{%
382     },%
383     % Keywords of class 5 : arguments specifications (after ":" in expl3
384     % syntax)
385     morekeywords=[5]{%
386     },%
387     % Keywords of class 6 : current package name (and possibly derived
388     % packages)
389     morekeywords=[6]{%
390     %
391     },%
392     % otherkeywords={},
393     % alsoletter={},
394     % alsodigit={},%
395     % alsoother={},%
396     sensitive,%
397 }[keywords,tex,comments]
398
399 \lst@definlanguage[tikz-ext]{TeX}{%
400     % Control sequences names
401     moretexcs={%
402     },%
403     % Keywords of class 1 : keywords that contain other characters
404     % (since of the same class as the ones specified as 'otherkeywords')
405     morekeywords={%
406     },%
407     % Keywords of class 2 : environments names
408     morekeywords=[2]{%
409     },%
410     % Keywords of class 3 : mandatory arguments (not environments) &
411     % optional arguments which are keys (in key=value)
412     morekeywords=[3]{%
413         distancebetween,%
414     },%
415     % Keywords of class 4 : values of keys (in key=value)
416     morekeywords=[4]{%
417     },%
418     % Keywords of class 5 : arguments specifications (after ":" in expl3
419     % syntax)
420     morekeywords=[5]{%
421     },%
422     % Keywords of class 6 : current package name (and possibly derived
423     % packages)
424     morekeywords=[6]{%
425         tikz-ext%
426     },%
427     % otherkeywords={},
428     % alsoletter={},
429     % alsodigit={},%

```

```

430     % alsoother={},%
431     sensitive,%
432 }[keywords,tex,comments]
433
434 \lst@definlanguage[tikzfill]{TeX}{%
435     % Control sequences names
436     moretexcs={%
437         },%
438     % Keywords of class 1 : keywords that contain other characters
439     % (since of the same class as the ones specified as 'otherkeywords')
440     morekeywords={%
441         },%
442     % Keywords of class 2 : environments names
443     morekeywords=[2]{%
444         },%
445     % Keywords of class 3 : mandatory arguments (not environments) &
446     % optional arguments which are keys (in key=value)
447     morekeywords=[3]{%
448         pattern,hexagon,cycle,color,
449     },%
450     % Keywords of class 4 : values of keys (in key=value)
451     morekeywords=[4]{%
452         },%
453     % Keywords of class 5 : arguments specifications (after ":" in expl3
454     % syntax)
455     morekeywords=[5]{%
456         },%
457     % Keywords of class 6 : current package name (and possibly derived
458     % packages)
459     morekeywords=[6]{%
460         tikzfill
461     },%
462     % otherkeywords={},
463     % alsoletter={},
464     % alsodigit={},%
465     % alsoother={},%
466     sensitive,%
467 }[keywords,tex,comments]
468
469 \lst@definlanguage[unicodemath]{TeX}{%
470     % Control sequences names
471     moretexcs={%
472         symscr,symbb,symfrak,symsfup,symsfit,symtt,setmathfont,%
473     },%
474     % Keywords of class 1 : keywords that contain other characters
475     % (since of the same class as the ones specified as 'otherkeywords')
476     morekeywords={%
477         },%
478     % Keywords of class 2 : environments names
479     morekeywords=[2]{%
480         },%
481     % Keywords of class 3 : mandatory arguments (not environments) &

```

```

482 % optional arguments which are keys (in key=value)
483 morekeywords=[3]{%
484     range,mathrm,%
485 },%
486 % Keywords of class 4 : values of keys (in key=value)
487 morekeywords=[4]{%
488     up,it,bb,bbit,scr,cal,bfcal,frak,tt,sfup ,sfit,bfup,bfit,bfscr,
489     bffrak,%
490     bfsfup,bfsfit,sym,%
491 },%
492 % Keywords of class 5 : arguments specifications (after ":" in expl3
493 % syntax)
494 morekeywords=[5]{%
495 },%
496 % Keywords of class 6 : current package name (and possibly derived
497 % packages)
498 morekeywords=[6]{%
499     unicode-math
500 },%
501 % otherkeywords={},
502 alsoletter={-},
503 % alsodigit={},%
504 % alsoother={},%
505 sensitive,%
506 }[keywords,TeX,comments]
507 \lstdefinlanguage[xcharter-otf]{TeX}{%
508     % Control sequences names
509     moretexcs={%
510         Bbbone,Bbbk,%
511     },%
512     % Keywords of class 1 : keywords that contain other characters
513     % (since of the same class as the ones specified as 'otherkeywords')
514     morekeywords={%
515     },%
516     % Keywords of class 2 : environments names
517     morekeywords=[2]{%
518     },%
519     % Keywords of class 3 : mandatory arguments (not environments) &
520     % optional arguments which are keys (in key=value)
521     morekeywords=[3]{%
522         range
523     },%
524     % Keywords of class 4 : values of keys (in key=value)
525     morekeywords=[4]{%
526     },%
527     % Keywords of class 5 : arguments specifications (after ":" in expl3
528     % syntax)
529     morekeywords=[5]{%
530     },%
531     % Keywords of class 6 : current package name (and possibly derived
532     % packages)

```

```

533     morekeywords=[6]{%
534         xcharter-otf
535     },%
536     % otherkeywords={},
537     alsoletter={-},
538     % alsodigit={},%
539     % alsoother={},%
540     sensitive,%
541 }[keywords,tex,comments]
542
543 \lst@definlanguage[braille]{TeX}{%
544     % Control sequences names
545     moretexcs={%
546         braille
547     },%
548     % Keywords of class 1 : keywords that contain other characters
549     % (since of the same class as the ones specified as 'otherkeywords')
550     morekeywords={%
551     },%
552     % Keywords of class 2 : environments names
553     morekeywords=[2]{%
554     },%
555     % Keywords of class 3 : mandatory arguments (not environments) &
556     % optional arguments which are keys (in key=value)
557     morekeywords=[3]{%
558     },%
559     % Keywords of class 4 : values of keys (in key=value)
560     morekeywords=[4]{%
561     },%
562     % Keywords of class 5 : arguments specifications (after ":" in expl3
563     % syntax)
564     morekeywords=[5]{%
565     },%
566     % Keywords of class 6 : current package name (and possibly derived
567     % packages)
568     morekeywords=[6]{%
569         %
570     },%
571     % otherkeywords={},
572     % alsoletter={},
573     % alsodigit={},%
574     % alsoother={},%
575     sensitive,%
576 }[keywords,tex,comments]
577
578 \lst@definlanguage[swungdash]{TeX}{%
579     % Control sequences names
580     moretexcs={%
581         swungdash
582     },%
583     % Keywords of class 1 : keywords that contain other characters
584     % (since of the same class as the ones specified as 'otherkeywords')

```

```

585     morekeywords={%
586     },%
587     % Keywords of class 2 : environments names
588     morekeywords=[2]{%
589     },%
590     % Keywords of class 3 : mandatory arguments (not environments) &
591     % optional arguments which are keys (in key=value)
592     morekeywords=[3]{%
593     },%
594     % Keywords of class 4 : values of keys (in key=value)
595     morekeywords=[4]{%
596     },%
597     % Keywords of class 5 : arguments specifications (after ":" in expl3
598     % syntax)
599     morekeywords=[5]{%
600     },%
601     % Keywords of class 6 : current package name (and possibly derived
602     % packages)
603     morekeywords=[6]{%
604     %
605     },%
606     % otherkeywords={},
607     % alsoletter={},
608     % alsodigit={},%
609     % alsoother={},%
610     sensitive,%
611 }[keywords,tex,comments]
612
613
614 \lst@definlanguage[simples-matrices]{TeX}{%
615     % Control sequences names
616     moretexcs={%
617         matrice
618     },%
619     % Keywords of class 1 : keywords that contain other characters
620     % (since of the same class as the ones specified as 'otherkeywords')
621     morekeywords={%
622     },%
623     % Keywords of class 2 : environments names
624     morekeywords=[2]{%
625     },%
626     % Keywords of class 3 : mandatory arguments (not environments) &
627     % optional arguments which are keys (in key=value)
628     morekeywords=[3]{%
629         b,%
630     },%
631     % Keywords of class 4 : values of keys (in key=value)
632     morekeywords=[4]{%
633     },%
634     % Keywords of class 5 : arguments specifications (after ":" in expl3
635     % syntax)
636     morekeywords=[5]{%

```

```

637     },%
638     % Keywords of class 6 : current package name (and possibly derived
639     % packages)
640     morekeywords=[6]{%
641         %
642     },%
643     % otherkeywords={},
644     % alsoletter={},
645     % alsodigit={},%
646     % alsoother={},%
647     sensitive,%
648 }[keywords,tex,comments]
649
650 \lst@definlanguage[customdice]{TeX}{%
651     % Control sequences names
652     moretexcs={%
653         dice
654     },%
655     % Keywords of class 1 : keywords that contain other characters
656     % (since of the same class as the ones specified as 'otherkeywords')
657     morekeywords={%
658     },%
659     % Keywords of class 2 : environments names
660     morekeywords=[2]{%
661     },%
662     % Keywords of class 3 : mandatory arguments (not environments) &
663     % optional arguments which are keys (in key=value)
664     morekeywords=[3]{%
665         violet,yellow
666     },%
667     % Keywords of class 4 : values of keys (in key=value)
668     morekeywords=[4]{%
669     },%
670     % Keywords of class 5 : arguments specifications (after ":" in expl3
671     % syntax)
672     morekeywords=[5]{%
673     },%
674     % Keywords of class 6 : current package name (and possibly derived
675     % packages)
676     morekeywords=[6]{%
677         %
678     },%
679     % otherkeywords={},
680     % alsoletter={},
681     % alsodigit={},%
682     % alsoother={},%
683     sensitive,%
684 }[keywords,tex,comments]
685
686 \lst@definlanguage[pingu]{TeX}{%
687     % Control sequences names
688     moretexcs={%

```

```

689     pingu
690 },%
691 % Keywords of class 1 : keywords that contain other characters
692 % (since of the same class as the ones specified as 'otherkeywords')
693 morekeywords={%
694 },%
695 % Keywords of class 2 : environments names
696 morekeywords=[2]{%
697 },%
698 % Keywords of class 3 : mandatory arguments (not environments) &
699 % optional arguments which are keys (in key=value)
700 morekeywords=[3]{%
701     left,wing,wave,right,grab,eyes,shiny,cup,%
702 },%
703 % Keywords of class 4 : values of keys (in key=value)
704 morekeywords=[4]{%
705 },%
706 % Keywords of class 5 : arguments specifications (after ":" in expl3
707 % syntax)
708 morekeywords=[5]{%
709 },%
710 % Keywords of class 6 : current package name (and possibly derived
711 % packages)
712 morekeywords=[6]{%
713     %
714 },%
715 % otherkeywords={},
716 % alsoletter={},
717 % alsodigit={},%
718 % alsoother={},%
719 sensitive,%
720 }[keywords,tex,comments]%
721
722 \lst@definlanguage[letgut]{TeX}{%
723     % Control sequences names
724     moretexcs={%
725         letgutsetup,title,subtitle,author,francophony,person,author,%
726         package,package*,class,class*,software,software*,file,file*,%
727         foreignloc,latinloc,gutenberg,gut,lettre,lettregut,Cahier,%
728         Cahiers,letgut,letgutcls,knuth,lamport,tugboat,item*,letgutacro,%
729         separator>alertbox,terminal,inputarticle,lettrenumber,solution,%
730         rebussolution,Ucode,%
731     },%
732     % Keywords of class 1 : keywords that contain other characters (since
733     % of the same class as the ones specified as 'otherkeywords')
734     morekeywords={%
735     },%
736     % Keywords of class 2 : environments names
737     morekeywords=[2]{%
738         ctannews,ltx-code,ltx-code-result,ltx-code-external-result,%
739         bookreview,announcement,rebus,%
740     },%

```

```

741 % Keywords of class 3 : mandatory arguments (not environments) &
742 % optional arguments which are keys (in key=value)
743 morekeywords=[3]{%
744     for-authors,for-readers,draft,final,screen,paper,number,date,%
745     pagecolor,allcolorslinks,membership-reminder,editorial,informations,
746     %
747     title,addon,result width,reference,text,title,reviewer,bibkey,%
748     frontcover,price,result,and,no,solution,color,toc,title,%
749     },%
750 % Keywords of class 4 : values of keys (in key=value)
751 morekeywords=[4]{%
752     },%
753 % Keywords of class 5 : arguments specifications (after ":" in expl3
754 % syntax)
755 morekeywords=[5]{%
756     },%
757 % Keywords of class 6 : current package name (and possibly derived
758 % packages)
759 morekeywords=[6]{%
760     letgut%
761     },%
762 % otherkeywords={},%
763 alsoletter={-\ },%
764 % alsodigit={},%
765 alsoother={*},%
766 % alsoother={},%
767 sensitive,%
768 }[keywords,tex,comments]%
769 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
770 % LaTeX texcs and keywords that are missing in `listings` driver file
771 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
772 \lst@definlanguage[extendedLaTeX]{TeX}{%
773     % Control sequences names
774     moretexcs={%
775         Huge,LARGE,Large,LoadClass,NewCommandCopy,RequirePackage,%
776         ShowCommand,abovecaptionskip,abstractname,appendix,appendixname,%
777         arraycolsep,arrayrulewidth,author,backmatter,baselinestretch,%
778         belowcaptionskip,bf,bibindent,bibname,bigskipamount,bottomfraction,%
779         brokenpenalty,cal,chapter,chaptermark,chaptername,clubpenalty,%
780         columnsep,columnseprule,contentsname,date,dblfloatpagefraction,%
781         dblfloatsep,dbltextfloatsep,dbltopfraction,descriptionlabel,%
782         displaywidowpenalty,doublerulesep,evensidemargin,fboxrule,fboxsep,%
783         figurename,floatpagefraction,floatsep,footins,footnoterule,%
784         footnotesep,footnotesize,footskip,frontmatter,headheight,headsep,%
785         huge,indexname,indexspace,interlinepenalty,intextsep,it,jot,%
786         labelenumi,labelenumii,labelenumiii,labelenumiv,labelitemfont,%
787         labelitemi,labelitemii,labelitemiii,labelitemiv,labelsep,%
788         labelwidth,large,leftmargin,leftmargini,leftmarginii,leftmarginiii,%
789         leftmarginiv,leftmarginv,leftmarginvi,lineskip,listfigurename,%
790         listoffigures,listoftables,listtablename,mainmatter,maketitle,%
791         marginparpush,marginparsep,marginparwidth,maxdepth,medskipamount,%

```



```

792     mit,newblock,normallineskip,normalsize,oddsidemargin,paragraph,%
793     paragraphmark,parindent,parskip,part,partname,partopsep,%
794     postdisplaypenalty,predisplaypenalty,refname,rm,sc,scriptsize,%
795     section,sectionmark,setlength,sf,sl,small,smallskipamount,%
796     subitem,subparagraph,subparagraphmark,subsection,subsectionmark,%
797     subsubitem,subsubsection,subsubsectionmark,tabbingsep,tabcolsep,%
798     tablename,tableofcontents,textfloatsep,textfraction,textheight,%
799     textwidth,thechapter,theenumi,theenumii,theenumiii,theenumiv,%
800     theequation,theparagraph,the part,the section,the subparagraph,%
801     thesubsection,the subsubsection,tiny,title,today,topfraction,%
802     topmargin,topskip,tt,widowpenalty,%
803 },%
804 % Keywords of class 1 : keywords that contain other characters (since
805 % of the same class as the ones specified as 'otherkeywords')
806 morekeywords={%
807 },%
808 % Keywords of class 2 : environments names
809 morekeywords=[2]{%
810     abstract,array,center,description,displaymath,document,enumerate,%
811     eqnarray,equation,figure,flushleft,flushright,itemize,list,lrbox,
812     math,%
813     minipage,picture,quotation,quote,sloppypar,tabbing,table,tabular,%
814     thebibliography,theindex,titlepage,trivlist,verbatim,verse,%
815 },%
816 % Keywords of class 3 : mandatory arguments (not environments) &
817 % optional arguments which are keys (in key=value)
818 morekeywords=[3]{%
819     % c,cc,ccc,cccc,X,l,
820     empty,%
821 },%
822 % Keywords of class 4 : values of keys (in key=value)
823 morekeywords=[4]{%
824 },%
825 % Keywords of class 5 : arguments specifications (after ":" in expl3
826 % syntax)
827 morekeywords=[5]{%
828 },%
829 % Keywords of class 6 : current package name (and possibly derived
830 % packages)
831 morekeywords=[6]{%
832     %
833 },
834 otherkeywords={|},%
835 % alsoletter={},% alsodigit={},%
836 % alsoother={},%
837 sensitive,%
838 }[keywords, tex, comments]%
839
840 \lst@definlanguage[ listings ]{ TeX }{%
841     % Control sequences names
842     moretexcs={%
843         lstDeleteShortInline,lstMakeShortInline,lstalias,lstaspectfiles,%

```

```

843     lstdefineformat,lstdefinelanguage,lst@definelanguage,lstdefinestyle,
      %
844     lstindexmacro,lstinline,lstinputlisting,lstlanguagefiles,%
845     lstlgrindfile,lstlistingname,lstlistingnamestyle,%
846     lstlistlistingname,lstlistoflistings,lstloadlanguages,lstname,%
847     lstnewenvironment,lstset,theHlstnumber,theHlstlabel,theHlstlisting,%
848     theHlstnumber,%
849 },%
850 % Keywords of class 1 : keywords that contain other characters (since
851 % of the same class as the ones specified as 'otherkeywords')
852 morekeywords={%
853 },%
854 % Keywords of class 2 : environments names
855 morekeywords=[2]{%
856     lstlisting,%
857 },%
858 % Keywords of class 3 : mandatory arguments (not environments) &
859 % optional arguments which are keys (in key=value)
860 morekeywords=[3]{%
861     0.21,ABAP,ACM,ACMscript,ACSL,Ada,Algol,Ant,Assembler,Awk,%
862     Basic,C,C++,CIL,Caml,Clean,Cobol,Comal 80,Comsol,Delphi,%
863     Eiffel,Elan,Euphoria,Fortran,GAP,GCL,Gnuplot,Go,HTML,Haskell,%
864     IDL,JVMIS,Java,LLVM,Lingo,Lisp,Logo,Lua,ML,Mathematica,Matlab,%
865     Mercury,MetaPost,Miranda,Mizar,Modula-2,MuPAD,NASTRAN,OCL,%
866     OORexx,Oberon-2,Octave,Oz,PHP,PL/I,POV,PSTricks,Pascal,Perl,%
867     Plasm,PostScript,Prolog,Promela,Python,R,RSL,Reduce,Rexx,Ruby,%
868     S,SAS,SHELXL,SPARQL,SQL,Scala,Scilab,Simula,Swift,TeX,%
869     VBScript,VHDL,VRML,Verilog,XML,XSLT,[03]Fortran,[08]Fortran,%
870     [1.0]Mathematica,[11.0]Mathematica,[11]C++,[1974]Cobol,[1985]Cobol,%
871     [2005]Ada,[3.0]Mathematica,[5.0]Lua,[5.1]Lua,[5.2]Lua,%
872     [5.2]Mathematica,[5.3]Lua,[60]Algol,[67]Simula,[68]Algol,%
873     [77]Fortran,[83]Ada,[90]Fortran,[95]Ada,[95]Fortran,[97]VRML,%
874     [AMS]VHDL,[ANSI]C,[ANSI]C++,[AlLaTeX]TeX,[AspectJ]Java,[Auto]Lisp,%
875     [Borland6]Pascal,[CII]Simula,[CORBA]IDL,[DEC]Simula,[GNU]C++,%
876     [Handel]C,[IBM]Simula,[ISO]C++,[LaTeX]TeX,[Motorola68k]Assembler,%
877     [OMG]OCL,[Objective]C,[Objective]Caml,[PLUS]S,[POSIX]Awk,[R/2
878     4.3]ABAP,[R/2 5.0]ABAP,[R/3 3.1]ABAP,[R/3 4.6C]ABAP,[R/3 6.10]ABAP,%
879     [Sharp]C,[Standard]Pascal,[VM/XA]Rexx,[Visual]Basic,[Visual]C++,%
880     [WinXP]command.com,[XSC]Pascal,[common]TeX,[decorative]OCL,%
881     [empty]IDL,[empty]Java,[empty]Lisp,[empty]Rexx,[empty]S,%
882     [empty]VHDL,[empty]make,[empty]tcl,[gnu]Awk,[gnu]make,[ibm]Cobol,%
883     [light]Caml,[plain]TeX,[primitive]TeX,[tk]tcl,[x86masm]Assembler,%
884     abovecaptionskip,aboveskip,alsodigit,alsoLanguage,alsoletter,%
885     alsoother,backgroundcolor,basewidth,bash,basicstyle,%
886     belowcaptionskip,belowskip,boxpos,breakatwhitespace,breakautoindent,
      %
887     breakindent,breaklines,caption,captionpos,classoffset,columns,%
888     command.com,comment,comments,commentstyle,consecutivenumbers,csH,%
889     defaultdialect,deletecomment,deletedelim,deletedirectives,%
890     deleteemph,deleteendkeywords,deletehyperref,deleteindex,%
891     deletekeywordcomment,deletekeywords,deleteprocnamekeys,deletestring,
      %

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892   deletetxcs,delim,directives,directivestyle,draft,elisp,emph,%
893   emphstyle,emptylines,erlang,escapebegin,escapechar,escapeend,%
894   escapeinside,extendedchars,fancyvrb,fillcolor,final,firstline,%
895   firstnumber,flexiblecolumns,float,floatplacement,fontadjust,%
896   formats,formfeed,frame,framaround,framerule,framesep,frameshape,%
897   framexbottommargin,framexleftmargin,framexrightmargin,%
898   framextopmargin,fvcmdparams,gobble,hansl,hyper,hyperanchor,%
899   hyperlink,hyperref,identifierstyle,includerangemarker,index,%
900   indexprocnames,indexstyle,inform,inputencoding,inputpath,%
901   keepspaces,keywordcomment,keywordcommentsemicolon,keywords,%
902   keywordsprefix,keywordstyle,ksh,label,language,lastline,lgrind,%
903   lgrindef,linrange,lineskip,linewidth,literate,make,makemacrouse,%
904   markfirstintag,mathescape,morecomment,moredelim,moredirectives,%
905   moreemph,moreendkeywords,morefvcmdparams,morehyperref,moreindex,%
906   morekeywordcomment,morekeywords,moreprocnamekeys,morestring,%
907   moretexcs,multicols,name,ndkeywords,ndkeywordstyle,noaspects,%
908   nolol,numberblanklines,numberbychapter,numberfirstline,numbers,%
909   numbersep,numberstyle,otherkeywords,podcomment,postbreak,prebreak,%
910   print,printpod,procnamekeys,procnames,procnamestyle,%
911   rangebeginprefix,rangebeginsuffix,rangeendprefix,rangeendsuffix,%
912   rangeprefix,rangesuffix,resetmargins,rulecolor,rulesep,%
913   rulesepcolor,savemem,sensitive,%
914   sh,showlines,showspaces,showstringspaces,showtabs,stepnumber,%
915   string,stringstyle,style,tab,tabsize,tag,tagstyle,tcl,texcl,%
916   texcs,texcsstyle,title,upquote,usekeywordsintag,xleftmargin,%
917   xrightmargin,LaTeX,TeX,tex%
918 },%
919 % Keywords of class 4 : values of keys (in key=value)
920 morekeywords=[4]{%
921   b,c,t,none,left,right,%
922 },%
923 % Keywords of class 5 : arguments specifications (after ":" in expl3
924 % syntax)
925 morekeywords=[5]{%
926 },%
927 % Keywords of class 6 : current package name (and possibly derived
928 % packages)
929 morekeywords=[6]{%
930   listings,%
931 },%
932 % otherkeywords={},%
933 alsoletter={@021.[ ]},%
934 % alsodigit={},%
935 % alsoother={},%
936 sensitive,%
937 }[keywords,tex,comments]%
938
939 \lst@definlanguage[xcolor]{TeX}{%
940   % Control sequences names
941   moretexcs={%
942     color,pagecolor,definecolor,colorlet,textcolor,%
943   },%

```

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944 % Keywords of class 1 : keywords that contain other characters (since
945 % of the same class as the ones specified as 'otherkeywords')
946 morekeywords={%
947 },%
948 % Keywords of class 2 : environments names
949 morekeywords=[2]{%
950 },%
951 % Keywords of class 3 : mandatory arguments (not environments) &
952 % optional arguments which are keys (in key=value)
953 morekeywords=[3]{%
954   red,green,blue,cyan,magenta,yellow,black,gray,white,darkgray,%
955   lightgray,brown,lime,olive,orange,pink,purple,teal,violet },%
956 % Keywords of class 4 : values of keys (in key=value)
957 morekeywords=[4]{%
958 },%
959 % Keywords of class 5 : arguments specifications (after ":" in expl3
960 % syntax)
961 morekeywords=[5]{%
962 },%
963 % Keywords of class 6 : current package name (and possibly derived
964 % packages)
965 morekeywords=[6]{%
966   xcolor },%
967 % otherkeywords={},
968 % alsoletter={},
969 % alsodigit={},%
970 % alsoother={},%
971 sensitive,%
972 }[keywords,tex,comments]%
973
974 \lst@definlanguage[expl3]{TeX}{%
975   % Control sequences names
976   moretexcs={%
977     .bool_gset,%
978     ExplFileDate,ExplFileDescription,ExplFileName,ExplFileVersion,%
979     ExplSyntaxOff,ExplSyntaxOn,GetIdInfo,ProvidesExplClass,%
980     ProvidesExplFile,ProvidesExplPackage,bool_case_false,bool_case_true,
981     %
982     bool_const,bool_do_until,bool_do_while,bool_gset,bool_gset_eq,%
983     bool_gset_false,bool_gset_inverse,bool_gset_true,bool_if,%
984     bool_if_exist,bool_if_exist_p,bool_if_p,bool_lazy_all,%
985     bool_lazy_all_p,bool_lazy_and,bool_lazy_and_p,bool_lazy_any,%
986     bool_lazy_any_p,bool_lazy_or,bool_lazy_or_p,bool_log,bool_new,%
987     bool_not_p,bool_set,bool_set_eq,bool_set_false,bool_set_inverse,%
988     bool_set_true,bool_show,bool_to_str,bool_until_do,bool_while_do,%
989     bool_xor,bool_xor_p,box_autosize_to_wd_and_ht,%
990     box_autosize_to_wd_and_ht_plus_dp,box_clear,box_clear_new,box_clip,%
991     box_dp,box_gautosize_to_wd_and_ht,box_gautosize_to_wd_and_ht_plus_dp
992     ,%
993     box_gclear,box_gclear_new,box_gclip,box_gresize_to_ht,%
994     box_gresize_to_ht_plus_dp,box_gresize_to_wd,box_gresize_to_wd_and_ht
995     ,%

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993     box_gresize_to_wd_and_ht_plus_dp, box_grotate, box_gscale, box_gset_dp,
994     %
995     box_gset_eq, box_gset_eq_drop, box_gset_ht, box_gset_to_last, %
996     box_gset_trim, box_gset_viewport, box_gset_wd, box_ht, box_ht_plus_dp, %
997     box_if_empty, box_if_empty_p, box_if_exist, box_if_exist_p, %
998     box_if_horizontal, box_if_horizontal_p, box_if_vertical, %
999     box_if_vertical_p, box_log, box_move_down, box_move_left, %
1000    box_move_right, box_move_up, box_new, box_resize_to_ht, %
1001    box_resize_to_ht_plus_dp, box_resize_to_wd, box_resize_to_wd_and_ht, %
1002    box_resize_to_wd_and_ht_plus_dp, box_rotate, box_scale, box_set_dp, %
1003    box_set_eq, box_set_eq_drop, box_set_ht, box_set_to_last, box_set_trim, %
1004    box_set_viewport, box_set_wd, box_show, box_use, box_use_drop, box_wd, %
1005    c_alignment_token, c_ampersand_str, c_atsign_str, c_backslash_str, %
1006    c_catcode_active_space_tl, c_catcode_active_tl, c_catcode_letter_token
1007    , %
1008    c_catcode_other_space_tl, c_catcode_other_token, c_circumflex_str, %
1009    c_code_cctab, c_colon_str, c_document_cctab, c_dollar_str, c_e_fp, %
1010    c_empty_box, c_empty_clist, c_empty_coffin, c_empty_prop, c_empty_seq, %
1011    c_empty_tl, c_false_bool, c_group_begin_token, c_group_end_token, %
1012    c_hash_str, c_inf_fp, c_initex_cctab, c_left_brace_str, c_log_iow, %
1013    c_math_subscript_token, c_math_superscript_token, c_math_toggle_token,
1014    %
1015    c_max_char_int, c_max_dim, c_max_int, c_max_muskip, c_max_register_int, %
1016    c_max_skip, c_minus_inf_fp, c_minus_zero_fp, c_nan_fp, c_novalue_tl, %
1017    c_one_degree_fp, c_one_fp, c_one_int, c_other_cctab, c_parameter_token, %
1018    c_percent_str, c_pi_fp, c_right_brace_str, c_space_tl, c_space_token, %
1019    c_str_cctab, c_sys_backend_str, c_sys_day_int, c_sys_engine_exec_str, %
1020    c_sys_engine_format_str, c_sys_engine_str, c_sys_engine_version_str, %
1021    c_sys_hour_int, c_sys_jobname_str, c_sys_minute_int, c_sys_month_int, %
1022    c_sys_output_str, c_sys_platform_str, c_sys_shell_escape_int, %
1023    c_sys_year_int, c_term_iow, c_tilde_str, c_true_bool, c_underscore_str, %
1024    c_zero_dim, c_zero_fp, c_zero_int, c_zero_muskip, c_zero_skip, %
1025    c_zero_str, cctab_begin, cctab_const, cctab_end, cctab_gset, %
1026    cctab_if_exist, cctab_if_exist_p, cctab_item, cctab_new, cctab_select, %
1027    char_foldcase, char_generate, char_gset_active_eq, char_lowercase, %
1028    char_set_active_eq, char_set_catcode, char_set_catcode_active, %
1029    char_set_catcode_alignment, char_set_catcode_comment, %
1030    char_set_catcode_end_line, char_set_catcode_escape, %
1031    char_set_catcode_group_begin, char_set_catcode_group_end, %
1032    char_set_catcode_ignore, char_set_catcode_invalid, %
1033    char_set_catcode_letter, char_set_catcode_math_subscript, %
1034    char_set_catcode_math_superscript, char_set_catcode_math_toggle, %
1035    char_set_catcode_other, char_set_catcode_parameter, %
1036    char_set_catcode_space, char_set_lccode, char_set_mathcode, %
1037    char_set_sfcode, char_set_uccode, char_show_value_catcode, %
1038    char_show_value_lccode, char_show_value_mathcode, %
1039    char_show_value_sfcode, char_show_value_uccode, char_str_foldcase, %
1040    char_str_lowercase, char_str_titlecase, char_str_uppercase, %
1041    char_titlecase, char_to_nfd, char_to_utfviii_bytes, char_uppercase, %
1042    char_value_catcode, char_value_lccode, char_value_mathcode, %
1043    char_value_sfcode, char_value_uccode, clist_clear, clist_clear_new, %
1044    clist_concat, clist_const, clist_count, clist_gclear, clist_gclear_new, %

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1042      clist_gconcat,clist_get,clist_gpop,clist_gpush,clist_gput_left,%
1043      clist_gput_right,clist_gremove_all,clist_gremove_duplicates,%
1044      clist_greverse,clist_gset,clist_gset_eq,clist_gset_from_seq,%
1045      clist_gsort,clist_if_empty,clist_if_empty_p,clist_if_exist,%
1046      clist_if_exist_p,clist_if_in,clist_item,clist_log,clist_map_break,%
1047      clist_map_function,clist_map_inline,clist_map_tokens,%
1048      clist_map_variable,clist_new,clist_pop,clist_push,clist_put_left,%
1049      clist_put_right,clist_rand_item,clist_remove_all,%
1050      clist_remove_duplicates,clist_reverse,clist_set,clist_set_eq,%
1051      clist_set_from_seq,clist_show,clist_sort,clist_use,coffin_attach,%
1052      coffin_clear,coffin_display_handles,coffin_dp,coffin_gattach,%
1053      coffin_gclear,coffin_gjoin,coffin_gresize,coffin_grotate,%
1054      coffin_gscale,coffin_gset_eq,coffin_gset_horizontal_pole,%
1055      coffin_gset_vertical_pole,coffin_ht,coffin_if_exist,%
1056      coffin_if_exist_p,coffin_join,coffin_log,coffin_log_structure,%
1057      coffin_mark_handle,coffin_new,coffin_resize,coffin_rotate,%
1058      coffin_scale,coffin_set_eq,coffin_set_horizontal_pole,%
1059      coffin_set_vertical_pole,coffin_show,coffin_show_structure,%
1060      coffin_typeset,coffin_wd,color_ensure_current,color_export,%
1061      color_fill,color_group_begin,color_group_end,color_log,color_math,%
1062      color_model_new,color_profile_apply,color_select,color_set,%
1063      color_set_eq,color_show,color_stroke,cs_argument_spec,cs,cs_end,%
1064      cs_generate_from_arg_count,cs_generate_variant,cs_gset,cs_gset_eq,%
1065      cs_gset_nopar,cs_gset_protected,cs_gset_protected_nopar,cs_if_eq,%
1066      cs_if_eq_p,cs_if_exist,cs_if_exist_p,cs_if_exist_use,cs_if_free,%
1067      cs_if_free_p,cs_log,cs_meaning,cs_new,cs_new_eq,cs_new_nopar,%
1068      cs_new_protected,cs_new_protected_nopar,cs_prefix_spec,%
1069      cs_replacement_spec,cs_set,cs_set_eq,cs_set_nopar,cs_set_protected,%
1070      cs_set_protected_nopar,cs_show,cs_split_function,cs_to_str,%
1071      cs_undefine,debug_off,debug_on,debug_resume,debug_suspend,dim_abs,%
1072      dim_add,dim_case,dim_compare,dim_compare_p,dim_const,dim_do_until,%
1073      dim_do_while,dim_eval,dim_gadd,dim_gset,dim_gset_eq,dim_gsub,%
1074      dim_gzero,dim_gzero_new,dim_if_exist,dim_if_exist_p,dim_log,%
1075      dim_max,dim_min,dim_new,dim_ratio,dim_set,dim_set_eq,dim_show,%
1076      dim_sign,dim_step_function,dim_step_inline,dim_step_variable,%
1077      dim_sub,dim_to_decimal,dim_to_decimal_in_bp,dim_to_decimal_in_sp,%
1078      dim_to_decimal_in_unit,dim_to_fp,dim_until_do,dim_use,dim_while_do,%
1079      dim_zero,dim_zero_new,draw_begin,draw_end,else,exp_after,exp_args,%
1080      exp_args_generate,exp_end,exp_end_continue_f,exp_last_two_unbraced,%
1081      exp_last_unbraced,exp_not,exp_stop_f,expandafter,expanded,fi,%
1082      file_compare_timestamp,file_compare_timestamp_p,file_full_name,%
1083      file_get,file_get_full_name,file_get_hex_dump,file_get_md5five_hash,%
1084      file_get_size,file_get_timestamp,file_hex_dump,file_if_exist,%
1085      file_if_exist_input,file_input,file_input_stop,file_log_list,%
1086      file_md5five_hash,file_parse_full_name,file_parse_full_name_apply,%
1087      file_show_list,file_size,file_timestamp,flag_clear,flag_clear_new,%
1088      flag_height,flag_if_exist,flag_if_exist_p,flag_if_raised,%
1089      flag_if_raised_p,flag_log,flag_new,flag_raise,flag_raise_if_clear,%
1090      flag_show,fp_abs,fp_add,fp_compare,fp_compare_p,fp_const,%
1091      fp_do_until,fp_do_while,fp_eval,fp_format,fp_gadd,fp_gset,%
1092      fp_gset_eq,fp_gsub,fp_gzero,fp_gzero_new,fp_if_exist,fp_if_exist_p,%
1093      fp_if_nan,fp_if_nan_p,fp_log,fp_max,fp_min,fp_new,fp_set,%

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1094 fp_set_eq, fp_show, fp_sign, fp_step_function, fp_step_inline, %
1095 fp_step_variable, fp_sub, fp_to_decimal, fp_to_dim, fp_to_int, %
1096 fp_to_scientific, fp_to_tl, fp_trap, fp_until_do, fp_use, fp_while_do, %
1097 fp_zero, fp_zero_new, fpararray_count, fpararray_gset, fpararray_gzero, %
1098 fpararray_item, fpararray_item_to_tl, fpararray_new, g_file_curr_dir_str, %
1099 g_file_curr_ext_str, g_file_curr_name_str, g_msg_module_name_prop, %
1100 g_msg_module_type_prop, g_peek_token, %
1101 g__letgut_tmpa_bool, g__letgut_tmpa_box, g__letgut_tmpa_clist, %
1102 g__letgut_tmpa_coffin, g__letgut_tmpa_dim, g__letgut_tmpa_fp, %
1103 g__letgut_tmpa_int, g__letgut_tmpa_ior, g__letgut_tmpa_iow, %
1104 g__letgut_tmpa_muskip, g__letgut_tmpa_prop, g__letgut_tmpa_regex, %
1105 g__letgut_tmpa_seq, g__letgut_tmpa_skip, g__letgut_tmpa_str, %
1106 g__letgut_tmpa_tl, g__letgut_tmpb_bool, g__letgut_tmpb_box, %
1107 g__letgut_tmpb_clist, g__letgut_tmpb_coffin, g__letgut_tmpb_dim, %
1108 g__letgut_tmpb_fp, g__letgut_tmpb_int, g__letgut_tmpb_ior, %
1109 g__letgut_tmpb_iow, g__letgut_tmpb_muskip, g__letgut_tmpb_prop, %
1110 g__letgut_tmpb_regex, g__letgut_tmpb_seq, g__letgut_tmpb_skip, %
1111 g__letgut_tmpb_str, g__letgut_tmpb_tl, %
1112 group_align_safe_begin, %
1113 group_align_safe_end, group_begin, group_end, group_insert_after, %
1114 group_log_list, group_show_list, hbox, hbox_gset, hbox_gset_end, %
1115 hbox_gset_to_wd, hbox_overlap_center, hbox_overlap_left, %
1116 hbox_overlap_right, hbox_set, hbox_set_end, hbox_set_to_wd, hbox_to_wd, %
1117 hbox_to_zero, hbox_unpack, hbox_unpack_drop, hcoffin_gset, %
1118 hcoffin_gset_end, hcoffin_set, hcoffin_set_end, if, if_bool, %
1119 if_box_empty, if_case, if_catcode, if_charcode, if_cs_exist, if_dim, %
1120 if_eof, if_false, if_hbox, if_int_compare, if_int_odd, if_meaning, %
1121 if_mode_horizontal, if_mode_inner, if_mode_math, if_mode_vertical, %
1122 if_predicate, if_true, if_vbox, int_abs, int_add, int_case, int_compare, %
1123 int_compare_p, int_const, int_decr, int_div_round, int_div_truncate, %
1124 int_do_until, int_do_while, int_eval, int_from_alph, int_from_base, %
1125 int_from_bin, int_from_hex, int_from_oct, int_from_roman, int_gadd, %
1126 int_gdecr, int_gincr, int_gset, int_gset_eq, int_gsub, int_gzero, %
1127 int_gzero_new, int_if_even, int_if_even_p, int_if_exist, int_if_exist_p, %
1128 int_if_odd, int_if_odd_p, int_incr, int_log, int_max, int_min, int_mod, %
1129 int_new, int_rand, int_set, int_set_eq, int_show, int_sign, %
1130 int_step..., int_step_function, int_step_inline, int_step_variable, %
1131 int_sub, int_to_Alph, int_to_Base, int_to_Hex, int_to_Roman, %
1132 int_to_alph, int_to_arabic, int_to_base, int_to_bin, int_to_hex, %
1133 int_to_oct, int_to_roman, int_to_symbols, int_until_do, int_use, %
1134 int_value, int_while_do, int_zero, int_zero_new, %
1135 intarray_const_from_clist, intarray_count, intarray_gset, %
1136 intarray_gset_rand, intarray_gzero, intarray_item, intarray_log, %
1137 intarray_new, intarray_rand_item, intarray_show, intarray_to_clist, %
1138 ior_close, ior_get, ior_get_term, ior_if_eof, ior_if_eof_p, ior_log, %
1139 ior_log_list, ior_map_break, ior_map_inline, ior_map_variable, ior_new, %
1140 ior_open, ior_shell_open, ior_show, ior_show_list, ior_str_get, %
1141 ior_str_get_term, ior_str_map_inline, ior_str_map_variable, %
1142 iow_allow_break, iow_char, iow_close, iow_indent, iow_log, iow_log_list, %
1143 iow_new, iow_newline, iow_now, iow_open, iow_shipout, iow_shipout_x, %
1144 iow_show, iow_show_list, iow_term, iow_wrap, keys_define, %

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1145 keys_if_choice_exist,keys_if_choice_exist_p,keys_if_exist,%
1146 keys_if_exist_p,keys_log,keys_set,keys_set_filter,keys_set_groups,%
1147 keys_set_known,keys_show,keyval_parse,l_char_active_seq,%
1148 l_char_special_seq,l_color_fixed_model_tl,l_color_math_active_tl,%
1149 l_file_search_path_seq,l_iow_line_count_int,l_keys_choice_int,%
1150 l_keys_choice_tl,l_keys_key_str,l_keys_path_str,%
1151 l_keys_usage_load_prop,l_keys_usage_preamble_prop,l_keys_value_tl,%
1152 l_my_int,l_peek_token,l_text_accents_tl,l_text_case_exclude_arg_tl,%
1153 l_text_expand_exclude_tl,l_text_letterlike_tl,l_text_math_arg_tl,%
1154 l_text_math_delims_tl,l_text_titlecase_check_letter_bool,%
1155 l__letgut_tmpa_bool,l__letgut_tmpa_box,l__letgut_tmpa_clist,%
1156 l__letgut_tmpa_coffin,l__letgut_tmpa_dim,l__letgut_tmpa_fp,%
1157 l__letgut_tmpa_int,l__letgut_tmpa_muskip,l__letgut_tmpa_prop,%
1158 l__letgut_tmpa_regex,l__letgut_tmpa_seq,l__letgut_tmpa_skip,%
1159 l__letgut_tmpa_str,l__letgut_tmpa_tl,l__letgut_tmpb_bool,%
1160 l__letgut_tmpb_box,l__letgut_tmpb_clist,l__letgut_tmpb_coffin,%
1161 l__letgut_tmpb_dim,l__letgut_tmpb_fp,l__letgut_tmpb_int,%
1162 l__letgut_tmpb_muskip,l__letgut_tmpb_prop,l__letgut_tmpb_regex,%
1163 l__letgut_tmpb_seq,l__letgut_tmpb_skip,l__letgut_tmpb_str,%
1164 l__letgut_tmpb_tl,%
1165 legacy_if,legacy_if_gset,legacy_if_gset_false,%
1166 legacy_if_gset_true,legacy_if_p,legacy_if_set,legacy_if_set_false,%
1167 legacy_if_set_true,lua_escape,lua_now,lua_shipout,lua_shipout_e,%
1168 mode_if_horizontal,mode_if_horizontal_p,mode_if_inner,%
1169 mode_if_inner_p,mode_if_math,mode_if_math_p,mode_if_vertical,%
1170 mode_if_vertical_p,mode_leave_vertical,msg_critical,%
1171 msg_critical_text,msg_error,msg_error_text,msg_expandable_error,%
1172 msg_fatal,msg_fatal_text,msg_gset,msg_if_exist,msg_if_exist_p,%
1173 msg_info,msg_info_text,msg_line_context,msg_line_number,msg_log,%
1174 msg_log_eval,msg_module_name,msg_module_type,msg_new,msg_none,%
1175 msg_note,msg_redirect_class,msg_redirect_module,msg_redirect_name,%
1176 msg_see_documentation_text,msg_set,msg_show,msg_show_eval,%
1177 msg_show_item,msg_show_item_unbraced,msg_term,msg_warning,%
1178 msg_warning_text,muskip_add,muskip_const,muskip_eval,muskip_gadd,%
1179 muskip_gset,muskip_gset_eq,muskip_gsub,muskip_gzero,%
1180 muskip_gzero_new,muskip_if_exist,muskip_if_exist_p,muskip_log,%
1181 muskip_new,muskip_set,muskip_set_eq,muskip_show,muskip_sub,%
1182 muskip_use,muskip_zero,muskip_zero_new,pdf_destination,%
1183 pdf_object_if_exist,pdf_object_if_exist_p,pdf_object_new,%
1184 pdf_object_ref,pdf_object_ref_last,pdf_object_unnamed_write,%
1185 pdf_object_write,pdf_pageobject_ref,pdf_pagobject_ref,pdf_uncompress
,%
1186 pdf_version,pdf_version_compare,pdf_version_compare_p,%
1187 pdf_version_gset,pdf_version_major,pdf_version_min_gset,%
1188 pdf_version_minor,peek_N_type,peek_after,peek_analysis_map_break,%
1189 peek_analysis_map_inline,peek_catcode,peek_catcode_collect_inline,%
1190 peek_catcode_remove,peek_charcode,peek_charcode_collect_inline,%
1191 peek_charcode_remove,peek_gafter,peek_meaning,%
1192 peek_meaning_collect_inline,peek_meaning_remove,peek_regex,%
1193 peek_regex_remove_once,peek_regex_replace_once,peek_remove_filler,%
1194 peek_remove_spaces,prg_break,prg_break_point,prg_do_nothing,%
1195 prg_generate_conditional_variant,prg_map_break,prg_new_conditional,%

```



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1196 prg_new_eq_conditional, prg_new_protected_conditional, prg_replicate, %
1197 prg_return_false, prg_return_true, prg_set_conditional, %
1198 prg_set_eq_conditional, prg_set_protected_conditional, prop_clear, %
1199 prop_clear_new, prop_concat, prop_const_from_keyval, prop_count, %
1200 prop_gclear, prop_gclear_new, prop_gconcat, prop_get, prop_gpop, %
1201 prop_gput, prop_gput_from_keyval, prop_gput_if_new, prop_gremove, %
1202 prop_gset_eq, prop_gset_from_keyval, prop_if_empty, prop_if_empty_p, %
1203 prop_if_exist, prop_if_exist_p, prop_if_in, prop_if_in_p, prop_item, %
1204 prop_log, prop_map_break, prop_map_function, prop_map_inline, %
1205 prop_map_tokens, prop_new, prop_pop, prop_put, prop_put_from_keyval, %
1206 prop_put_if_new, prop_rand_key_value, prop_remove, prop_set_eq, %
1207 prop_set_from_keyval, prop_show, prop_to_keyval, q_mark, q_nil, %
1208 q_no_value, q_recursion_stop, q_recursion_tail, q_stop, quark_if_nil, %
1209 quark_if_nil_p, quark_if_no_value, quark_if_no_value_p, %
1210 quark_if_recursion_tail_break, quark_if_recursion_tail_stop, %
1211 quark_if_recursion_tail_stop_do, quark_new, regex_const, regex_count, %
1212 regex_extract_all, regex_extract_once, regex_gset, regex_log, %
1213 regex_match, regex_match_case, regex_new, regex_replace, %
1214 regex_replace_all, regex_replace_case_all, regex_replace_case_once, %
1215 regex_replace_once, regex_set, regex_show, regex_split, reverse_if, %
1216 s_stop, scan_new, scan_stop, seq_clear, seq_clear_new, seq_concat, %
1217 seq_const_from_clist, seq_count, seq_gclear, seq_gclear_new, %
1218 seq_gconcat, seq_get, seq_get_left, seq_get_right, seq_gpop, %
1219 seq_gpop_item, seq_gpop_left, seq_gpop_right, seq_gpush, seq_gput_left, %
1220 seq_gput_right, seq_gremove_all, seq_gremove_duplicates, seq_greverse, %
1221 seq_gset_eq, seq_gset_filter, seq_gset_from_clist, %
1222 seq_gset_from_function, seq_gset_from_inline_x, seq_gset_item, %
1223 seq_gset_map, seq_gset_map_x, seq_gset_split, %
1224 seq_gset_split_keep_spaces, seq_gshuffle, seq_gsort, seq_if_empty, %
1225 seq_if_empty_p, seq_if_exist, seq_if_exist_p, seq_if_in, seq_item, %
1226 seq_log, seq_map_break, seq_map_function, seq_map_indexed_function, %
1227 seq_map_indexed_inline, seq_map_inline, seq_map_tokens, %
1228 seq_map_variable, seq_mapthread_function, seq_new, seq_pop, %
1229 seq_pop_item, seq_pop_left, seq_pop_right, seq_push, seq_put_left, %
1230 seq_put_right, seq_rand_item, seq_remove_all, seq_remove_duplicates, %
1231 seq_reverse, seq_set_eq, seq_set_filter, seq_set_from_clist, %
1232 seq_set_from_function, seq_set_from_inline_x, seq_set_item, seq_set_map
    , %
1233 seq_set_map_x, seq_set_split, seq_set_split_keep_spaces, seq_show, %
1234 seq_shuffle, seq_sort, seq_use, skip_add, skip_const, skip_eval, %
1235 skip_gadd, skip_gset, skip_gset_eq, skip_gsub, skip_gzero, %
1236 skip_gzero_new, skip_horizontal, skip_if_eq, skip_if_eq_p, %
1237 skip_if_exist, skip_if_exist_p, skip_if_finite, skip_if_finite_p, %
1238 skip_log, skip_new, skip_set, skip_set_eq, skip_show, skip_sub, %
1239 skip_use, skip_vertical, skip_zero, skip_zero_new, sort_return_same, %
1240 sort_return_swapped, str_case, str_case_e, str_clear, str_clear_new, %
1241 str_compare, str_compare_p, str_concat, str_const, str_convert_pdfname, %
1242 str_count, str_count_ignore_spaces, str_count_spaces, str_foldcase, %
1243 str_gclear, str_gconcat, str_gput_left, str_gput_right, str_gremove_all,
    %
1244 str_gremove_once, str_greplace_all, str_greplace_once, str_gset, %
1245 str_gset_convert, str_gset_eq, str_head, str_head_ignore_spaces, %

```

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1246 str_if_empty, str_if_empty_p, str_if_eq, str_if_eq_p, str_if_exist, %
1247 str_if_exist_p, str_if_in, str_item, str_item_ignore_spaces, str_log, %
1248 str_lowercase, str_map_break, str_map_function, str_map_inline, %
1249 str_map_tokens, str_map_variable, str_new, str_put_left, str_put_right, %
1250 str_range, str_range_ignore_spaces, str_remove_all, str_remove_once, %
1251 str_replace_all, str_replace_once, str_set, str_set_convert, str_set_eq,
%
1252 str_show, str_tail, str_tail_ignore_spaces, str_uppercase, str_use, %
1253 sys_finalise, sys_get_shell, sys_gset_rand_seed, sys_if_engine luatex, %
1254 sys_if_engine luatex_p, sys_if_engine pdftex, sys_if_engine pdftex_p, %
1255 sys_if_engine ptex, sys_if_engine ptex_p, sys_if_engine uptex, %
1256 sys_if_engine uptex_p, sys_if_engine xetex, sys_if_engine xetex_p, %
1257 sys_if_output_dvi, sys_if_output_dvi_p, sys_if_output_pdf, %
1258 sys_if_output_pdf_p, sys_if_platform_unix, sys_if_platform_unix_p, %
1259 sys_if_platform_windows, sys_if_platform_windows_p, sys_if_rand_exist,
%
1260 sys_if_rand_exist_p, sys_if_shell, sys_if_shell_p, %
1261 sys_if_shell_restricted, sys_if_shell_restricted_p, %
1262 sys_if_shell_unrestricted, sys_if_shell_unrestricted_p, %
1263 sys_load_backend, sys_load_debug, sys_rand_seed, sys_shell_now, %
1264 sys_shell_shipout, sys_timer, text_declare_expand_equivalent, %
1265 text_declare_purify_equivalent, text_expand, text_lowercase, %
1266 text_purify, text_titlecase, text_titlecase_first, text_uppercase, %
1267 tl_analysis_log, tl_analysis_map_inline, tl_analysis_show, %
1268 tl_build_begin, tl_build_clear, tl_build_end, tl_build_gbegin, %
1269 tl_build_gclear, tl_build_gend, tl_build_get, tl_build_gput_left, %
1270 tl_build_gput_right, tl_build_put_left, tl_build_put_right, tl_case, %
1271 tl_clear, tl_clear_new, tl_concat, tl_const, tl_count, tl_count_tokens, %
1272 tl_gclear, tl_gclear_new, tl_gconcat, tl_gput_left, tl_gput_right, %
1273 tl_gremove_all, tl_gremove_once, tl_greplace_all, tl_greplace_once, %
1274 tl_greverse, tl_gset, tl_gset_eq, tl_gset_rescan, tl_gsort, %
1275 tl_gtrim_spaces, tl_head, tl_if_blank, tl_if_blank_p, tl_if_empty, %
1276 tl_if_empty_p, tl_if_eq, tl_if_eq_p, tl_if_exist, tl_if_exist_p, %
1277 tl_if_head_eq_catcode, tl_if_head_eq_catcode_p, tl_if_head_eq_charcode
%, %
1278 tl_if_head_eq_charcode_p, tl_if_head_eq_meaning, %
1279 tl_if_head_eq_meaning_p, tl_if_head_is_N_type, tl_if_head_is_N_type_p,
%
1280 tl_if_head_is_group, tl_if_head_is_group_p, tl_if_head_is_space, %
1281 tl_if_head_is_space_p, tl_if_in, tl_if_novalue, tl_if_novalue_p, %
1282 tl_if_single, tl_if_single_p, tl_if_single_token, tl_if_single_token_p,
%
1283 tl_item, tl_log, tl_map_break, tl_map_function, tl_map_inline, %
1284 tl_map_tokens, tl_map_variable, tl_new, tl_put_left, tl_put_right, %
1285 tl_rand_item, tl_range, tl_range_braced, tl_range_unbraced, %
1286 tl_remove_all, tl_remove_once, tl_replace_all, tl_replace_once, %
1287 tl_rescan, tl_reverse, tl_reverse_items, tl_set, tl_set_eq, %
1288 tl_set_rescan, tl_show, tl_sort, tl_tail, tl_to_str, tl_trim_spaces, %
1289 tl_trim_spaces_apply, tl_use, token_case_catcode, token_case_charcode, %
1290 token_case_meaning, token_if_active, token_if_active_p, %
1291 token_if_alignment, token_if_alignment_p, token_if_chardef, %
1292 token_if_chardef_p, token_if_cs, token_if_cs_p, token_if_dim_register, %

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```

1293 token_if_dim_register_p, token_if_eq_catcode, token_if_eq_catcode_p, %
1294 token_if_eq_charcode, token_if_eq_charcode_p, token_if_eq_meaning, %
1295 token_if_eq_meaning_p, token_if_expandable, token_if_expandable_p, %
1296 token_if_font_selection, token_if_font_selection_p, %
1297 token_if_group_begin, token_if_group_begin_p, token_if_group_end, %
1298 token_if_group_end_p, token_if_int_register, token_if_int_register_p, %
1299 token_if_letter, token_if_letter_p, token_if_long_macro, %
1300 token_if_long_macro_p, token_if_macro, token_if_macro_p, %
1301 token_if_math_subscript, token_if_math_subscript_p, %
1302 token_if_math_superscript, token_if_math_superscript_p, %
1303 token_if_math_toggle, token_if_math_toggle_p, token_if_mathchardef, %
1304 token_if_mathchardef_p, token_if_muskip_register, %
1305 token_if_muskip_register_p, token_if_other, token_if_other_p, %
1306 token_if_parameter, token_if_parameter_p, token_if_primitive, %
1307 token_if_primitive_p, token_if_protected_long_macro, %
1308 token_if_protected_long_macro_p, token_if_protected_macro, %
1309 token_if_protected_macro_p, token_if_skip_register, %
1310 token_if_skip_register_p, token_if_space, token_if_space_p, %
1311 token_if_toks_register, token_if_toks_register_p, token_to_meaning, %
1312 token_to_str, unvcopy, use, use_i, use_i_delimit_by_q_nil, %
1313 use_i_delimit_by_q_recursion_stop, use_i_delimit_by_q_stop, use_i_ii, %
1314 use_ii, use_ii_i, use_iii, use_iv, use_none, use_none_delimit_by_q_nil, %
1315 use_none_delimit_by_q_recursion_stop, use_none_delimit_by_q_stop, %
1316 use_none_delimit_by_s_stop, vbox, vbox_gset, vbox_gset_end, %
1317 vbox_gset_split_to_ht, vbox_gset_to_ht, vbox_gset_top, vbox_set, %
1318 vbox_set_end, vbox_set_split_to_ht, vbox_set_to_ht, vbox_set_top, %
1319 vbox_to_ht, vbox_to_zero, vbox_top, vbox_unpack, vbox_unpack_drop, %
1320 vcoffin_gset, vcoffin_gset_end, vcoffin_set, vcoffin_set_end, %
1321 }, %
1322 % Keywords of class 1 : keywords that contain other characters (since
1323 % of the same class as the ones specified as 'otherkeywords')
1324 morekeywords={%
1325 }, %
1326 % Keywords of class 2 : environments names
1327 morekeywords=[2]{%
1328 }, %
1329 % Keywords of class 3 : mandatory arguments (not environments) &
1330 % optional arguments which are keys (in key=value)
1331 morekeywords=[3]{%
1332   name, alternative-model, alternative-values, %
1333 }, %
1334 % Keywords of class 4 : values of keys (in key=value)
1335 morekeywords=[4]{%
1336   cmyk, %
1337 }, %
1338 % Keywords of class 5 : arguments specifications (after ":" in expl3
1339 % syntax)
1340 morekeywords=[5]{%
1341   D, N, Nn, NF, NN, Nx, NT, NTF, NnN, NnV, Nnn, Npn, Nnnn, V, c, e, en, f, n, nF, %
1342   nn, nT, nnn, nnF, nnV, nTF, nnnn, nNnF, nNnT, nnVV, o, p, v, w, x, nnTF, %
1343 }, %
1344 % Keywords of class 6 : current package name (and possibly derived

```

```

1345 % packages)
1346 morekeywords=[6]{%
1347     expl3,%
1348 },
1349 otherkeywords={:,~},%
1350 alsoletter={_-.},%
1351 % alsodigit={},%
1352 % alsoother={},%
1353 sensitive,%
1354 }[keywords,tex,comments]%
1355
1356 \lst@definlanguage[pdftex]{TeX}{%
1357     % Control sequences names
1358     moretexcs={%
1359         pdfinfo,pdfcatalog,pdfpageattr,pdfpagesattr,pdfpageresources,%
1360         pdfcolorstack,%
1361     },%
1362     % Keywords of class 1 : keywords that contain other characters (since
1363     % of the same class as the ones specified as 'otherkeywords')
1364     morekeywords={%
1365     },%
1366     % Keywords of class 2 : environments names
1367     morekeywords=[2]{%
1368     },%
1369     % Keywords of class 3 : mandatory arguments (not environments) &
1370     % optional arguments which are keys (in key=value)
1371     morekeywords=[3]{%
1372     },%
1373     % Keywords of class 4 : values of keys (in key=value)
1374     morekeywords=[4]{%
1375     },%
1376     % Keywords of class 5 : arguments specifications (after ":" in expl3
1377     % syntax)
1378     morekeywords=[5]{%
1379     },%
1380     % Keywords of class 6 : current package name (and possibly derived
1381     % packages)
1382     morekeywords=[6]{%
1383         pdftex,%
1384     },%
1385     % otherkeywords={},
1386     % alsoletter={},
1387     % alsodigit={},%
1388     % alsoother={},%
1389     sensitive,%
1390 }[keywords,tex,comments]%
1391
1392 \lst@definlanguage[luatex]{TeX}{%
1393     % Control sequences names
1394     moretexcs={%
1395         pdfextension,ifluatex,directlua,%
1396     },%

```

```

1397 % Keywords of class 1 : keywords that contain other characters (since
1398 % of the same class as the ones specified as 'otherkeywords')
1399 morekeywords={%
1400 },%
1401 % Keywords of class 2 : environments names
1402 morekeywords=[2]{%
1403 },%
1404 % Keywords of class 3 : mandatory arguments (not environments) &
1405 % optional arguments which are keys (in key=value)
1406 morekeywords=[3]{%
1407     colorstack },%
1408 % Keywords of class 4 : values of keys (in key=value)
1409 morekeywords=[4]{%
1410 },%
1411 % Keywords of class 5 : arguments specifications (after ":" in expl3
1412 % syntax)
1413 morekeywords=[5]{%
1414 },%
1415 % Keywords of class 6 : current package name (and possibly derived
1416 % packages)
1417 morekeywords=[6]{%
1418     luatex,%
1419 },%
1420 % otherkeywords={},
1421 % alsoletter={},
1422 % alsodigit={},%
1423 % alsoother={},%
1424 sensitive,%
1425 }[keywords, tex, comments]%
1426
1427 \lst@definlanguage[dvips]{TeX}{%
1428 % Control sequences names
1429 moretexcs={%
1430 },%
1431 % Keywords of class 1 : keywords that contain other characters (since
1432 % of the same class as the ones specified as 'otherkeywords')
1433 morekeywords={%
1434 },%
1435 % Keywords of class 2 : environments names
1436 morekeywords=[2]{%
1437 },%
1438 % Keywords of class 3 : mandatory arguments (not environments) &
1439 % optional arguments which are keys (in key=value)
1440 morekeywords=[3]{%
1441     color, push,%
1442 },%
1443 % Keywords of class 4 : values of keys (in key=value)
1444 morekeywords=[4]{%
1445 },%
1446 % Keywords of class 5 : arguments specifications (after ":" in expl3
1447 % syntax)
1448 morekeywords=[5]{%

```

```

1449     },%
1450     % Keywords of class 6 : current package name (and possibly derived
1451     % packages)
1452     morekeywords=[6]{%
1453         dvips,%
1454     },%
1455     % otherkeywords={},
1456     % alsoletter={},
1457     % alsodigit={},%
1458     % alsoother={},%
1459     sensitive,%
1460 }[keywords,tex,comments]%
1461
1462 \lst@definlanguage[xetex]{TeX}{%
1463     % Control sequences names
1464     moretexcs={%
1465     },%
1466     % Keywords of class 1 : keywords that contain other characters (since
1467     % of the same class as the ones specified as 'otherkeywords')
1468     morekeywords=%
1469     },%
1470     % Keywords of class 2 : environments names
1471     morekeywords=[2]{%
1472     },%
1473     % Keywords of class 3 : mandatory arguments (not environments) &
1474     % optional arguments which are keys (in key=value)
1475     morekeywords=[3]{%
1476         pdfcolorstack,%
1477     },%
1478     % Keywords of class 4 : values of keys (in key=value)
1479     morekeywords=[4]{%
1480     },%
1481     % Keywords of class 5 : arguments specifications (after ":" in expl3
1482     % syntax)
1483     morekeywords=[5]{%
1484     },%
1485     % Keywords of class 6 : current package name (and possibly derived
1486     % packages)
1487     morekeywords=[6]{%
1488         xetex,%
1489     },%
1490     % otherkeywords={},
1491     % alsoletter={},
1492     % alsodigit={},%
1493     % alsoother={},%
1494     sensitive,%
1495 }[keywords,tex,comments]%
1496
1497 \lst@definlanguage[inputenc]{TeX}{%
1498     % Control sequences names
1499     moretexcs={%
1500     },%

```

```

1501 % Keywords of class 1 : keywords that contain other characters (since
1502 % of the same class as the ones specified as 'otherkeywords')
1503 morekeywords={%
1504 },%
1505 % Keywords of class 2 : environments names
1506 morekeywords=[2]{%
1507 },%
1508 % Keywords of class 3 : mandatory arguments (not environments) &
1509 % optional arguments which are keys (in key=value)
1510 morekeywords=[3]{%
1511 latin1 },%
1512 % Keywords of class 4 : values of keys (in key=value)
1513 morekeywords=[4]{%
1514 },%
1515 % Keywords of class 5 : arguments specifications (after ":" in expl3
1516 % syntax)
1517 morekeywords=[5]{%
1518 },%
1519 % Keywords of class 6 : current package name (and possibly derived
1520 % packages)
1521 morekeywords=[6]{%
1522 inputenc,%
1523 },%
1524 % otherkeywords={},%
1525 alsoletter={1},%
1526 % alsodigit={},%
1527 % alsoother={},%
1528 sensitive,%
1529 }[keywords, tex, comments]%
1530
1531 \lst@definlanguage[pdfmanagement-testphase]{TeX}{%
1532 % Control sequences names
1533 moretexcs={%
1534 pdfmanagement_add, DeclareDocumentMetadata, AddToDocumentProperties,%
1535 ShowDocumentProperties, GetDocumentProperties,%
1536 },%
1537 % Keywords of class 1 : keywords that contain other characters (since
1538 % of the same class as the ones specified as 'otherkeywords')
1539 morekeywords={%
1540 },%
1541 % Keywords of class 2 : environments names
1542 morekeywords=[2]{%
1543 },%
1544 % Keywords of class 3 : mandatory arguments (not environments) &
1545 % optional arguments which are keys (in key=value)
1546 morekeywords=[3]{% Keys or optional arguments
1547 pdfmanagement-testphase, uncompress, geometry, top-level, backend, Info,%
1548 ThisPage, pdfversion, pdfstandard, paper, topic, Title, Rotate,%
1549 },%
1550 % Keywords of class 4 : values of keys (in key=value)
1551 morekeywords=[4]{%
1552 dvipdfmx,%

```



```

1553     },%
1554     % Keywords of class 5 : arguments specifications (after ":" in expl3
1555     % syntax)
1556     morekeywords=[5]{%
1557         nnn,%
1558     },%
1559     % Keywords of class 6 : current package name (and possibly derived
1560     % packages)
1561     morekeywords=[6]{%
1562         pdfmanagement-testphase,%
1563     },
1564     otherkeywords={:},%
1565     alsoletter={_-},%
1566     % alsodigit={},%
1567     % alsoother={},%
1568     sensitive,%
1569 }[keywords,tex,comments]%
1570
1571 \lst@definlanguage[rotating]{TeX}{%
1572     % Control sequences names
1573     moretexcs={%
1574     },%
1575     % Keywords of class 1 : keywords that contain other characters (since
1576     % of the same class as the ones specified as 'otherkeywords')
1577     morekeywords={%
1578     },%
1579     % Keywords of class 2 : environments names
1580     morekeywords=[2]{%
1581         sidewaysstable,%
1582     },%
1583     % Keywords of class 3 : mandatory arguments (not environments) &
1584     % optional arguments which are keys (in key=value)
1585     morekeywords=[3]{%
1586     },%
1587     % Keywords of class 4 : values of keys (in key=value)
1588     morekeywords=[4]{%
1589     },%
1590     % Keywords of class 5 : arguments specifications (after ":" in expl3
1591     % syntax)
1592     morekeywords=[5]{%
1593     },%
1594     % Keywords of class 6 : current package name (and possibly derived
1595     % packages)
1596     morekeywords=[6]{%
1597         rotating,%
1598     },%
1599     % alsoletter={},
1600     % alsodigit={},%
1601     % alsoother={},%
1602     sensitive,%
1603 }[keywords,tex,comments]%
1604

```



```

1605 \lst@definlanguage[fontenc]{TeX}%
1606 {%
1607   % Control sequences names
1608   moretexcs={%
1609     },%
1610   % Keywords of class 1 : keywords that contain other characters (since
1611   % of the same class as the ones specified as 'otherkeywords')
1612   morekeywords={%
1613     },%
1614   % Keywords of class 2 : environments names
1615   morekeywords=[2]{%
1616     },%
1617   % Keywords of class 3 : mandatory arguments (not environments) &
1618   % optional arguments which are keys (in key=value)
1619   morekeywords=[3]{%
1620     T1 },%
1621   % Keywords of class 4 : values of keys (in key=value)
1622   morekeywords=[4]{%
1623     },%
1624   % Keywords of class 5 : arguments specifications (after ":" in expl3
1625   % syntax)
1626   morekeywords=[5]{%
1627     },%
1628   % Keywords of class 6 : current package name (and possibly derived
1629   % packages)
1630   morekeywords=[6]{%
1631     fontenc,%
1632     },%
1633   % otherkeywords={},
1634   % alsoletter={1},%
1635   alsodigit={1},%
1636   % alsoother={},%
1637   sensitive,%
1638 }[keywords,tex,comments]%
1639
1640 \lst@definlanguage[babel]{TeX}%
1641 {%
1642   % Control sequences names
1643   moretexcs={%
1644     foreignlanguage,selectlanguage,iflanguage,%
1645     },%
1646   % Keywords of class 1 : keywords that contain other characters (since
1647   % of the same class as the ones specified as 'otherkeywords')
1648   morekeywords={%
1649     },%
1650   % Keywords of class 2 : environments names
1651   morekeywords=[2]{%
1652     otherlanguage,%
1653     },%
1654   % Keywords of class 3 : mandatory arguments (not environments) &
1655   % optional arguments which are keys (in key=value)
1656   morekeywords=[3]{%

```

```

1657 },%
1658 % Keywords of class 4 : values of keys (in key=value)
1659 morekeywords=[4]{%
1660   UKenglish,USenglish,acadian,afrikaans,american,arabic,australian,%
1661   austrian,azerbaijani,bahasa,bahasai,basque,bgreek,brazil,%
1662   brazilian,breton,british,bulgarian,canadian,canadien,catalan,%
1663   croatian,czech,danish,dutch,english,esperanto,estonian,ethiop,%
1664   farsi,finnish,francais,french,frenchle,friulan,galician,german,%
1665   germanb,greek,hebrew,hindi,ibygreek,icelandic,indon,indonesian,%
1666   interlingua,irish,italian,japanese,latin,latvian,lithuanian,%
1667   lowersorbian,magyar,malay,melayu (bahasam),mongolian,naustrian,%
1668   newzealand,ngerman,norsk,nynorsk,pinyin,polish,polutonikogreek,%
1669   portuges,portuguese,romanian,romansh,russian,samin,scottish,%
1670   serbian,serbianc,slovak,slovene,spanglish,spanish,swedish,thai,%
1671   thaicjk,turkish,turkmen,ukrainian,uppersorbian,vietnamese,%
1672   welsh,%
1673 },%
1674 % Keywords of class 5 : arguments specifications (after ":" in expl3
1675 % syntax)
1676 morekeywords=[5]{%
1677 },%
1678 % Keywords of class 6 : current package name (and possibly derived
1679 % packages)
1680 morekeywords=[6]{%
1681   babel,%
1682 },%
1683 % otherkeywords={},
1684 % alsoletter={},
1685 % alsodigit={},%
1686 % alsoother={},%
1687 sensitive,%
1688 }[keywords,tex,comments]%
1689
1690 \lst@definlanguage[babel-french]{TeX}%
1691 {%
1692   % Control sequences names
1693   moretexcs={%
1694     og,fg,up,bsc,ier,iers,iere,ieres,ieme,iemes,primo,secundo,%
1695     tertio,quarto,FrenchEnumerate,No,Nos,no,nos,degre,nombre,%
1696     frenchabstractname,frenchbibname,frenchrefname,frenchprefacename,%
1697     frenchchaptername,frenchappendixname,frenchcontentsname,%
1698     frenchlistfigurename,frenchlisttablename,frenchindexname,%
1699     frenchglossaryname,frenchfigurename,frenchtablename,frenchpartname,%
1700     frenchenclname,frenchccname,frenchheadtoname,frenchpagename,%
1701     frenchseenname,frenchalsoname,frenchproofname%,%
1702     frquote,%
1703   },%
1704   % Keywords of class 1 : keywords that contain other characters (since
1705   % of the same class as the ones specified as 'otherkeywords')
1706   morekeywords={%
1707   },%
1708   % Keywords of class 2 : environments names

```

```
1709     morekeywords=[2]{%
1710     },%
1711     % Keywords of class 3 : mandatory arguments (not environments) &
1712     % optional arguments which are keys (in key=value)
1713     morekeywords=[3]{%
1714     },%
1715     % Keywords of class 4 : values of keys (in key=value)
1716     morekeywords=[4]{%
1717     },%
1718     % Keywords of class 5 : arguments specifications (after ":" in expl3
1719     % syntax)
1720     morekeywords=[5]{%
1721     },%
1722     % Keywords of class 6 : current package name (and possibly derived
1723     % packages)
1724     morekeywords=[6]{%
1725         babel-french,%
1726     },%
1727     % otherkeywords={},%
1728     alsoletter={-},%
1729     % alsodigit={},%
1730     % alsoother={},%
1731     sensitive,%
1732 }[keywords, tex, comments]%
1733
1734 \lst@definlanguage[kantlipsum]{TeX}{%
1735     % Control sequences names
1736     moretexcs={%
1737         kant,%
1738     },%
1739     % Keywords of class 1 : keywords that contain other characters (since
1740     % of the same class as the ones specified as 'otherkeywords')
1741     morekeywords={%
1742     },%
1743     % Keywords of class 2 : environments names
1744     morekeywords=[2]{%
1745     },%
1746     % Keywords of class 3 : mandatory arguments (not environments) &
1747     % optional arguments which are keys (in key=value)
1748     morekeywords=[3]{%
1749     },%
1750     % Keywords of class 4 : values of keys (in key=value)
1751     morekeywords=[4]{%
1752     },%
1753     % Keywords of class 5 : arguments specifications (after ":" in expl3
1754     % syntax)
1755     morekeywords=[5]{%
1756     },%
1757     % Keywords of class 6 : current package name (and possibly derived
1758     % packages)
1759     morekeywords=[6]{%
1760         kantlipsum,%
```

```

1761     },%
1762     % otherkeywords={},
1763     % alsoletter={},
1764     % alsodigit={},%
1765     % alsoother={},%
1766     sensitive,%
1767 }[keywords,tex,comments]%
1768
1769 \lst@definlanguage[hyperxmp]{TeX}{%
1770     % Control sequences names
1771     moretexcs={%
1772     },%
1773     % Keywords of class 1 : keywords that contain other characters (since
1774     % of the same class as the ones specified as 'otherkeywords')
1775     morekeywords={%
1776     },%
1777     % Keywords of class 2 : environments names
1778     morekeywords=[2]{%
1779     },%
1780     % Keywords of class 3 : mandatory arguments (not environments) &
1781     % optional arguments which are keys (in key=value)
1782     morekeywords=[3]{%
1783     },%
1784     % Keywords of class 4 : values of keys (in key=value)
1785     morekeywords=[4]{%
1786     },%
1787     % Keywords of class 5 : arguments specifications (after ":" in expl3
1788     % syntax)
1789     morekeywords=[5]{%
1790     },%
1791     % Keywords of class 6 : current package name (and possibly derived
1792     % packages)
1793     morekeywords=[6]{%
1794         hyperxmp,%
1795     },%
1796     % otherkeywords={},
1797     % alsoletter={},
1798     % alsodigit={},%
1799     % alsoother={},%
1800     sensitive,%
1801 }[keywords,tex,comments]%
1802
1803 \lst@definlanguage[hyperref]{TeX}{%
1804     % Control sequences names
1805     moretexcs={%
1806         hypersetup,href,phantomsection,pdfstringdefDisableCommands,url,%
1807         nolinkurl,hyperbaseurl,hyperimage,hyperdef,hyperref,hyperlink,%
1808         hypertarget,hyperget,autoref,autopageref,ref*,pageref*,autoref*,%
1809         autopageref*,pdfstringdef,pdfbookmark,currentpdfbookmark,%
1810         subpdfbookmark,belowpdfbookmark,texorpdfstring,thispdfpagelabel,%
1811         hypercalcbp,nameref,%
1812     },%

```

```

1813 % Keywords of class 1 : keywords that contain other characters (since
1814 % of the same class as the ones specified as 'otherkeywords')
1815 morekeywords={%
1816 },%
1817 % Keywords of class 2 : environments names
1818 morekeywords=[2]{%
1819 },%
1820 % Keywords of class 3 : mandatory arguments (not environments) &
1821 % optional arguments which are keys (in key=value)
1822 morekeywords=[3]{%
1823 allbordercolors,allcolors,anchorcolor,backref,baseurl,bookmarks,%
1824 bookmarksnumbered,bookmarksopen,bookmarksopenlevel,bookmarkstype,%
1825 breaklinks,CJKbookmarks,citebordercolor,citecolor,colorlinks,debug,%
1826 destlabel,draft,driverfallback,dvipdfm,dvipdfmx,dvips,dvipsone,%
1827 dviwindo,encap,extension,filebordercolor,filecolor,final,%
1828 frenchlinks,hidelinks,hyperfigures,hyperfootnotes,hyperindex,%
1829 hypertex,hypertextnames,implicit,latex2html,linkbordercolor,%
1830 linkcolor,linktoc,linktocpage,menubordercolor,menucolor,nativepdf,%
1831 naturalnames,nesting,next-anchor,pageanchor,pagebackref,pdfauthor,%
1832 pdfborder,pdfborderstyle,pdfcenterwindow,pdfcreator,pdfdirection,%
1833 pdfdisplaydoctitle,pdfduplex,pdffitwindow,pdfhighlight,pdfinfo,%
1834 pdfkeywords,pdflang,pdfmark,pdfmenubar,pdfnewwindow,%
1835 pdfnonfullscreenpagemode,pdfnumcopies,pdfpagelabels,pdfpagelayout,%
1836 pdfpagemode,pdfpagescrop,pdfpagetransition,pdfpicktraybypdfsize,%
1837 pdfprintarea,pdfprintclip,pdfprintpagerange,pdfprintsampling,%
1838 pdfproducer,pdfremotestartview,pdfstartpage,pdfstartview,pdfsubject,%
1839 %
1840 pdftex,pdftitle,pdftoolbar,pdftrapped,pdfview,pdfviewarea,%
1841 pdfviewclip,pdfwindowui,plainpages,ps2pdf,psdextra,raiselinks,%
1842 runbordercolor,runcolor,setpagesize,tex4ht,textures,unicode,%
1843 urlbordercolor,urlcolor,verbose,vtex,xetex,%
1844 },%
1845 % Keywords of class 4 : values of keys (in key=value)
1846 morekeywords=[4]{%
1847 },%
1848 % Keywords of class 5 : arguments specifications (after ":" in expl3
1849 % syntax)
1850 morekeywords=[5]{%
1851 },%
1852 % Keywords of class 6 : current package name (and possibly derived
1853 % packages)
1854 morekeywords=[6]{%
1855 hyperref,%
1856 },%
1857 % otherkeywords={},%
1858 alsoletter={*},%
1859 % alsodigit={},%
1860 % alsoother={},%
1861 sensitive,%
1862 }[keywords,tex,comments]%
1863 \lst@definlanguage[graphicx]{TeX}{%

```

```

1864 % Control sequences names
1865 moretexcs={%
1866     includegraphics,includegraphics*,definecolor,color,textcolor,%
1867     mathcolor,pagcolor,nopagcolor,colorbox,fcolorbox,rotatebox,%
1868     scalebox,reflectbox,resizebox,resizebox*,graphicspath,%
1869     DeclareGraphicsExtensions,DeclareGraphicsRule },%
1870 % Keywords of class 1 : keywords that contain other characters (since
1871 % of the same class as the ones specified as 'otherkeywords')
1872 morekeywords={%
1873 },%
1874 % Keywords of class 2 : environments names
1875 morekeywords=[2]{%
1876 },%
1877 % Keywords of class 3 : mandatory arguments (not environments) &
1878 % optional arguments which are keys (in key=value)
1879 morekeywords=[3]{%
1880     draft,final,hiresbb,demo,setpagesize,nosetpagesize,dvips,xdvi,%
1881     dvipdf,dvipdfm,dvipdfmx,xetex,pdftex,luatex,dvisvgm,dvipsone,%
1882     dviwindo,emtex,dviwin,oztex,textures,pctexps,pctexwin,pctexhp,%
1883     pctex32,truetex,tcidvi,vtex,debugshow,hiderotate,hidescale,alt,%
1884     %
1885     bb,bblly,bblly,bburx,bbury,natwidth,natheight,hiresbb,pagebox,%
1886     viewport,trim,angle,origin,width,height,totalheight,%
1887     keepaspectratio,scale,clip,draft,type,ext,read,command,quiet,%
1888     page,interpolate,decodearray,origin,x,y,units,%
1889 },%
1890 % Keywords of class 4 : values of keys (in key=value)
1891 morekeywords=[4]{%
1892     mediabox,cropbox,bleedbox,trimbox,artbox,true,false,%
1893 },%
1894 % Keywords of class 5 : arguments specifications (after ":" in expl3
1895 % syntax)
1896 morekeywords=[5]{%
1897 },%
1898 % Keywords of class 6 : current package name (and possibly derived
1899 % packages)
1900 morekeywords=[6]{%
1901     graphicx,%
1902 },%
1903 % otherkeywords={},%
1904 alsoletter={23},%
1905 % alsodigit={},%
1906 % alsoother={},%
1907 sensitive,%
1908 }[keywords,tex,comments]%
1909
1910 \lst@definlanguage[geometry]{TeX}{%
1911     % Control sequences names
1912     moretexcs={%
1913         geometry,newgeometry,restoregeometry,savegeometry,loadgeometry,%
1914     },%
1915     % Keywords of class 1 : keywords that contain other characters (since

```

```

1916 % of the same class as the ones specified as 'otherkeywords')
1917 morekeywords={%
1918 },%
1919 % Keywords of class 2 : environments names
1920 morekeywords=[2]{%
1921 },%
1922 % Keywords of class 3 : mandatory arguments (not environments) &
1923 % optional arguments which are keys (in key=value)
1924 morekeywords=[3]{%
1925     paper, papername, paperwidth, paperheight, papersize, landscape, %
1926     portrait, layout, layoutwidth, layoutheight, layoutsize, layoutoffset, %
1927     layoutvoffset, layoutoffset, hscale, vscale, scale, width, totalwidth, %
1928     height, totalheight, total, textwidth, textheight, text, body, lines, %
1929     includehead, includefoot, includeheadfoot, includemp, includeall, %
1930     ignorehead, ignorefoot, ignoreheadfoot, ignoremp, ignoreall, %
1931     heightrounded, hdivide, vdivide, divide, left, lmargin, inner, right, %
1932     rmargin, outer, top, tmargin, bottom, bmargin, hmargin, vmargin, margin, %
1933     hmarginratio, vmarginratio, marginratio, ratio, hcentering, vcentering, %
1934     centering, twoside, asymmetric, headheight, head, headsep, footskip, %
1935     foot, nohead, nofoot, noheadfoot, footnotesep, marginparwidth, %
1936     marginparsep, nomarginpar, columnsep, hoffset, voffset, offset, %
1937     twocolumn, onecolumn, reversemp, reversemarginpar, verbose, reset, mag, %
1938     truedimen, pass, showframe, showcrop, %
1939 },%
1940 % Keywords of class 4 : values of keys (in key=value)
1941 morekeywords=[4]{%
1942     a0paper, a1paper, a2paper, a3paper, a4paper, a5paper, a6paper, b0paper, %
1943     b1paper, b2paper, b3paper, b4paper, b5paper, b6paper, c0paper, c1paper, %
1944     c2paper, c3paper, c4paper, c5paper, c6paper, b0j, b1j, b2j, b3j, b4j, %
1945     b5j, b6j, ansiapaper, ansibpaper, ansicpaper, ansidpaper, ansiepaper, %
1946     letterpaper, executivepaper, legalpaper, screen, dvips, dvipdfm, pdftex, %
1947     luatex, xetex, vtex, dvipdfmx, xdvipdfmx, %
1948 },%
1949 % Keywords of class 5 : arguments specifications (after ":" in expl3
1950 % syntax)
1951 morekeywords=[5]{%
1952 },%
1953 % Keywords of class 6 : current package name (and possibly derived
1954 % packages)
1955 morekeywords=[6]{%
1956     geometry, %
1957 },%
1958 % otherkeywords={}, %
1959 alsoletter={0123456}, %
1960 % alsodigit={}, %
1961 % alsoother={}, %
1962 sensitive, %
1963 }[keywords, tex, comments]%
1964
1965 \lst@definlanguage[newpax]{TeX}{%
1966     % Control sequences names
1967     moretexcs={%

```



```

1968     newpaxsetup,%
1969 },%
1970 % Keywords of class 1 : keywords that contain other characters (since
1971 % of the same class as the ones specified as 'otherkeywords')
1972 morekeywords={%
1973 },%
1974 % Keywords of class 2 : environments names
1975 morekeywords=[2]{%
1976 },%
1977 % Keywords of class 3 : mandatory arguments (not environments) &
1978 % optional arguments which are keys (in key=value)
1979 morekeywords=[3]{%
1980     addannots,%
1981 },%
1982 % Keywords of class 4 : values of keys (in key=value)
1983 morekeywords=[4]{%
1984     false,%
1985 },%
1986 % Keywords of class 5 : arguments specifications (after ":" in expl3
1987 % syntax)
1988 morekeywords=[5]{%
1989 },%
1990 % Keywords of class 6 : current package name (and possibly derived
1991 % packages)
1992 morekeywords=[6]{%
1993     newpax,%
1994 },%
1995 % otherkeywords={},
1996 % alsoletter={},
1997 % alsodigit={},%
1998 % alsoother={},%
1999 sensitive,%
2000 }[keywords,tex,comments]%
2001
2002 \lst@definlanguage[tikz]{TeX}{%
2003     % Control sequences names
2004     moretexcs={%
2005         usetikzlibrary,draw,node,matrix,fill,foreach,tikz,pgfmathsetmacro,%
2006         path,%
2007     },%
2008     % Keywords of class 1 : keywords that contain other characters (since
2009     % of the same class as the ones specified as 'otherkeywords')
2010     morekeywords={%
2011     },%
2012     % Keywords of class 2 : environments names
2013     morekeywords=[2]{%
2014         tikzpicture,%
2015     },%
2016     % Keywords of class 3 : mandatory arguments (not environments) &
2017     % optional arguments which are keys (in key=value)
2018     morekeywords=[3]{%
2019         pic,rotate,xshift,yshift,every node,inner sep,blend mode,fill,%

```



```

2020     fit,circle,anchor,in,count,x,y,matrix,of,math,nodes,above right,%
2021     at,--, -|, |- ,thick,size,angle,circle,through,intersection,of,%
2022     draw,coordinate,shift,and,cycle,cs:A,node,barycentric,%
2023     },%
2024     % Keywords of class 4 : values of keys (in key=value)
2025     morekeywords=[4]{%
2026         multiply,lightgray,base,red%
2027     },%
2028     % Keywords of class 5 : arguments specifications (after ":" in expl3
2029     % syntax)
2030     morekeywords=[5]{%
2031     },%
2032     % Keywords of class 6 : current package name (and possibly derived
2033     % packages)
2034     morekeywords=[6]{%
2035         tikz,%
2036     },%
2037     % otherkeywords={},%
2038     alsoletter={-| \ :},%
2039     % alsodigit={},%
2040     % alsoother={},%
2041     sensitive,%
2042 }[keywords, tex, comments]%
2043
2044 \lst@definlanguage[tikzducks]{TeX}{%
2045     % Control sequences names
2046     moretexcs={%
2047         duck,%
2048     },%
2049     % Keywords of class 1 : keywords that contain other characters (since
2050     % of the same class as the ones specified as 'otherkeywords')
2051     morekeywords={%
2052     },%
2053     % Keywords of class 2 : environments names
2054     morekeywords=[2]{%
2055     },%
2056     % Keywords of class 3 : mandatory arguments (not environments) &
2057     % optional arguments which are keys (in key=value)
2058     morekeywords=[3]{%
2059         alien,aodai,baguette,basket,beard,beret,bill,body,book,%
2060         bookcolour,bowtie,bubblecolour,bunny,buttons,cake,cape,%
2061         cheese,chef,cocktail,conicalhat,crazyhair,cricket,crown,crozier,%
2062         crystalball,darthvader,devil,easter,egga,eggb,eggc,eye,eyebrow,%
2063         flavoura,flavourb,flavourc,football,glasses,graduate,grumpy,%
2064         handbag,harlequin,hath,head,helmet,hockey,horsetail,icecream,%
2065         inear,invisible,jacket,kingcrown,lapel,laughing,lightsaber,%
2066         longhair,magichat,magicstars,magicwand,mask,milkshake,mohican,%
2067         mullet,name,neckerchief,necklace,niuqelrah,overleaf,parrot,%
2068         parting,peakedcap,pickaxe,pizza,prison,queencrown,recedinghair,%
2069         ribbon,rollingpin,sailor,santa,sheep,shorthair,shovel,signback,%
2070         signcolour,signpost,snowduck,speech,squareglasses,stethoscope,%
2071         strawhat,sunglasses,tail,tassel,think,tie,tophat,torch,tshirt,%

```

```

2072     umbrella,umbrellaclosed,unicorn,vampire,viking,water,wine,wing,%
2073     witch,woggle,%
2074 },%
2075 % Keywords of class 4 : values of keys (in key=value)
2076 morekeywords=[4]{%
2077     blue,green,red,yellow,%
2078 },%
2079 % Keywords of class 5 : arguments specifications (after ":" in expl3
2080 % syntax)
2081 morekeywords=[5]{%
2082 },%
2083 % Keywords of class 6 : current package name (and possibly derived
2084 % packages)
2085 morekeywords=[6]{%
2086     tikzducks,%
2087 },%
2088 % otherkeywords={},
2089 % alsoletter={},
2090 % alsodigit={},%
2091 % alsoother={},%
2092 sensitive,%
2093 }[keywords,tex,comments]%
2094
2095 \lst@definlanguage[tikzlings]{TeX}{%
2096     % Control sequences names
2097     moretexcs={%
2098         anteater,bear,bee,cat,chicken,coati,elephant,hippo,koala,%
2099         marmot,mole,mouse,owl,panda,penguin,pig,rhino,sheep,sloth,%
2100         squirrel,snowman,%
2101     },%
2102     % Keywords of class 1 : keywords that contain other characters (since
2103     % of the same class as the ones specified as 'otherkeywords')
2104     morekeywords={},%
2105     },%
2106     % Keywords of class 2 : environments names
2107     morekeywords=[2]{%
2108     },%
2109     % Keywords of class 3 : mandatory arguments (not environments) &
2110     % optional arguments which are keys (in key=value)
2111     morekeywords=[3]{%
2112         3D,eye,contour,back,globalwarming,whiskers,schroedinger,%
2113     },%
2114     % Keywords of class 4 : values of keys (in key=value)
2115     morekeywords=[4]{%
2116     },%
2117     % Keywords of class 5 : arguments specifications (after ":" in expl3
2118     % syntax)
2119     morekeywords=[5]{%
2120     },%
2121     % Keywords of class 6 : current package name (and possibly derived
2122     % packages)
2123     morekeywords=[6]{%

```

```

2124         tikzlings,%
2125     },%
2126     % otherkeywords={},%
2127     alsoletter={3},%
2128     % alsodigit={},%
2129     % alsoother={},%
2130     sensitive,%
2131 }[keywords,tex,comments]%
2132
2133 \lst@definlanguage[amsmath]{TeX}{%
2134     % Control sequences names
2135     moretexcs={%
2136         cdots,ddots,vdots,%
2137     },%
2138     % Keywords of class 1 : keywords that contain other characters (since
2139     % of the same class as the ones specified as 'otherkeywords')
2140     morekeywords={%
2141     },%
2142     % Keywords of class 2 : environments names
2143     morekeywords=[2]{%
2144         pmatrix,%
2145     },%
2146     % Keywords of class 3 : mandatory arguments (not environments) &
2147     % optional arguments which are keys (in key=value)
2148     morekeywords=[3]{%
2149     },%
2150     % Keywords of class 4 : values of keys (in key=value)
2151     morekeywords=[4]{%
2152     },%
2153     % Keywords of class 5 : arguments specifications (after ":" in expl3
2154     % syntax)
2155     morekeywords=[5]{%
2156     },%
2157     % Keywords of class 6 : current package name (and possibly derived
2158     % packages)
2159     morekeywords=[6]{%
2160         amsmath,%
2161     },%
2162     % otherkeywords={},
2163     % alsoletter={},
2164     % alsodigit={},%
2165     % alsoother={},%
2166     sensitive,%
2167 }[keywords,tex,comments]%
2168
2169 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2170 % xparse
2171 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2172 \lst@definlanguage[xparse]{TeX}{%
2173     % Control sequences names
2174     moretexcs={%
2175         NewDocumentCommand,RenewDocumentCommand,ProvideDocumentCommand,%

```

```

2176     DeclareDocumentCommand,NewDocumentEnvironment,%
2177     RenewDocumentEnvironment,ProvideDocumentEnvironment,%
2178     DeclareDocumentEnvironment,NewExpandableDocumentCommand,%
2179     RenewExpandableDocumentCommand,ProvideExpandableDocumentCommand,%
2180     DeclareExpandableDocumentCommand,IfNoValueT,IfNoValueF,IfNoValueTF,%
2181     IfValueT,IfValueF,IfValueTF,IfBooleanT,IfBooleanF,IfBooleanTF,%
2182     BooleanTrue,BooleanFalse,ProcessedArgument,ReverseBoolean,%
2183     SplitArgument,SplitList,ProcessList,TrimSpaces,%
2184     GetDocumentCommandArgSpec,GetDocumentEnvironmentArgSpec,%
2185     ShowDocumentCommandArgSpec,ShowDocumentEnvironmentArgSpec,%
2186 },%
2187 % Keywords of class 1 : keywords that contain other characters (since
2188 % of the same class as the ones specified as 'otherkeywords')
2189 morekeywords={%
2190 },%
2191 % Keywords of class 2 : environments names
2192 morekeywords=[2]{%
2193 },%
2194 % Keywords of class 3 : mandatory arguments (not environments) &
2195 % optional arguments which are keys (in key=value)
2196 morekeywords=[3]{%
2197     log-declarations,%
2198     m,r,R,v,b,o,d,O,D,s,t,e,E,%
2199 },%
2200 % Keywords of class 4 : values of keys (in key=value)
2201 morekeywords=[4]{%
2202 },%
2203 % Keywords of class 5 : arguments specifications (after ":" in expl3
2204 % syntax)
2205 morekeywords=[5]{%
2206 },%
2207 % Keywords of class 6 : current package name (and possibly derived
2208 % packages)
2209 morekeywords=[6]{%
2210     xparse,%
2211 },%
2212 % otherkeywords={},%
2213 alsoletter={-},%
2214 % alsodigit={},%
2215 % alsoother={},%
2216 sensitive,%
2217 }[keywords,tex,comments]%
2218
2219 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2220 % colortbl
2221 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2222 \lst@definlanguage[colortbl]{TeX}{%
2223     % Control sequences names
2224     moretexcs={%
2225         columncolor,rowcolor,cellcolor,arrayrulecolor,doublerulesepcolor,%
2226         minrowclearance,%
2227     },%

```

```

2228 % Keywords of class 1 : keywords that contain other characters (since
2229 % of the same class as the ones specified as 'otherkeywords')
2230 morekeywords={%
2231 },%
2232 % Keywords of class 2 : environments names
2233 morekeywords=[2]{%
2234 },%
2235 % Keywords of class 3 : mandatory arguments (not environments) &
2236 % optional arguments which are keys (in key=value)
2237 morekeywords=[3]{%
2238 },%
2239 % Keywords of class 4 : values of keys (in key=value)
2240 morekeywords=[4]{%
2241 },%
2242 % Keywords of class 5 : arguments specifications (after ":" in expl3
2243 % syntax)
2244 morekeywords=[5]{%
2245 },%
2246 % Keywords of class 6 : current package name (and possibly derived
2247 % packages)
2248 morekeywords=[6]{%
2249 colortbl,%
2250 },%
2251 % otherkeywords={},
2252 % alsoletter={},
2253 % alsodigit={},%
2254 % alsoother={},%
2255 sensitive,%
2256 }[keywords,tex,comments]%
2257
2258 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2259 % multirow
2260 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2261 \lst@definlanguage[multirow]{TeX}%
2262 {%
2263 % Control sequences names
2264 moretexcs={%
2265 multirow,%
2266 },%
2267 % Keywords of class 1 : keywords that contain other characters (since
2268 % of the same class as the ones specified as 'otherkeywords')
2269 morekeywords={%
2270 },%
2271 % Keywords of class 2 : environments names
2272 morekeywords=[2]{%
2273 },%
2274 % Keywords of class 3 : mandatory arguments (not environments) &
2275 % optional arguments which are keys (in key=value)
2276 morekeywords=[3]{%
2277 },%
2278 % Keywords of class 4 : values of keys (in key=value)
2279 morekeywords=[4]{%

```

```

2280     },%
2281     % Keywords of class 5 : arguments specifications (after ":" in expl3
2282     % syntax)
2283     morekeywords=[5]{%
2284     },%
2285     % Keywords of class 6 : current package name (and possibly derived
2286     % packages)
2287     morekeywords=[6]{%
2288         multirow,%
2289     },%
2290     % otherkeywords={},
2291     % alsoletter={},
2292     % alsodigit={},%
2293     % alsoother={},%
2294     sensitive,%
2295 }[keywords,tex,comments]%
2296
2297 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2298 % nicematrix
2299 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2300 \lst@definlanguage[nicematrix]{TeX}%
2301 {%
2302     % Control sequences names
2303     moretexcs={%
2304         Cdots,Ddots,Vdots,Body,CodeBefore,CodeAfter,Block,%
2305     },%
2306     % Keywords of class 1 : keywords that contain other characters (since
2307     % of the same class as the ones specified as 'otherkeywords')
2308     morekeywords={%
2309     },%
2310     % Keywords of class 2 : environments names
2311     morekeywords=[2]{%
2312         pNiceMatrix,NiceMatrix,NiceTabular,bNiceArray,%
2313     },%
2314     % Keywords of class 3 : mandatory arguments (not environments) &
2315     % optional arguments which are keys (in key=value)
2316     morekeywords=[3]{%
2317         hvlines,rules/width,baseline,colortbl-like,margin,right-margin,%
2318         create-cell-nodes,rounded-corners,draw,%
2319     },%
2320     % Keywords of class 4 : values of keys (in key=value)
2321     morekeywords=[4]{%
2322     },%
2323     % Keywords of class 5 : arguments specifications (after ":" in expl3
2324     % syntax)
2325     morekeywords=[5]{%
2326     },%
2327     % Keywords of class 6 : current package name (and possibly derived
2328     % packages)
2329     morekeywords=[6]{%
2330         nicematrix,%
2331     },

```

```

2332     otherkeywords={&},%
2333     alsoletter={/},%
2334     % alsodigit={},%
2335     % alsoother={},%
2336     sensitive,%
2337 }[keywords, tex, comments]%
2338
2339 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2340 % booktabs
2341 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2342 \lst@definlanguage[booktabs]{TeX}%
2343 {%
2344     % Control sequences names
2345     moretexcs={%
2346         toprule, midrule, bottomrule, cmidrule, addlinespace, morecmidrules,%
2347         specialrule,%
2348     },%
2349     % Keywords of class 1 : keywords that contain other characters (since
2350     % of the same class as the ones specified as 'otherkeywords')
2351     morekeywords={%
2352     },%
2353     % Keywords of class 2 : environments names
2354     morekeywords=[2]{%
2355     },%
2356     % Keywords of class 3 : mandatory arguments (not environments) &
2357     % optional arguments which are keys (in key=value)
2358     morekeywords=[3]{%
2359     },%
2360     % Keywords of class 4 : values of keys (in key=value)
2361     morekeywords=[4]{%
2362     },%
2363     % Keywords of class 5 : arguments specifications (after ":" in expl3
2364     % syntax)
2365     morekeywords=[5]{%
2366     },%
2367     % Keywords of class 6 : current package name (and possibly derived
2368     % packages)
2369     morekeywords=[6]{%
2370         booktabs,%
2371     },%
2372     % otherkeywords={},
2373     % alsoletter={},
2374     % alsodigit={},%
2375     % alsoother={},%
2376     sensitive,%
2377 }[keywords, tex, comments]%
2378
2379 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2380 % strands
2381 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2382 \lst@definlanguage[strands]{TeX}%
2383 {%

```

```

2384 % Control sequences names
2385 moretexcs={%
2386     strands,%
2387 },%
2388 % Keywords of class 1 : keywords that contain other characters (since
2389 % of the same class as the ones specified as 'otherkeywords')
2390 morekeywords={%
2391 },%
2392 % Keywords of class 2 : environments names
2393 morekeywords=[2]{%
2394 },%
2395 % Keywords of class 3 : mandatory arguments (not environments) &
2396 % optional arguments which are keys (in key=value)
2397 morekeywords=[3]{%
2398 },%
2399 % Keywords of class 4 : values of keys (in key=value)
2400 morekeywords=[4]{%
2401 },%
2402 % Keywords of class 5 : arguments specifications (after ":" in expl3
2403 % syntax)
2404 morekeywords=[5]{%
2405 },%
2406 % Keywords of class 6 : current package name (and possibly derived
2407 % packages)
2408 morekeywords=[6]{%
2409     strands,%
2410 },%
2411 % otherkeywords={},
2412 % alsoletter={},
2413 % alsodigit={},%
2414 % alsoother={},%
2415 sensitive,%
2416 }[keywords,tex,comments]%
2417
2418 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2419 % cartonaugh
2420 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2421 \lst@definlanguage[cartonaugh]{TeX}%
2422 {%
2423 % Control sequences names
2424 moretexcs={%
2425     maxterms,minterms,terms,implicant,%
2426 },%
2427 % Keywords of class 1 : keywords that contain other characters (since
2428 % of the same class as the ones specified as 'otherkeywords')
2429 morekeywords={%
2430 },%
2431 % Keywords of class 2 : environments names
2432 morekeywords=[2]{%
2433     cartonaugh,%
2434 },%
2435 % Keywords of class 3 : mandatory arguments (not environments) &

```



```

2436 % optional arguments which are keys (in key=value)
2437 morekeywords=[3]{%
2438 },%
2439 % Keywords of class 4 : values of keys (in key=value)
2440 morekeywords=[4]{%
2441 },%
2442 % Keywords of class 5 : arguments specifications (after ":" in expl3
2443 % syntax)
2444 morekeywords=[5]{%
2445 },%
2446 % Keywords of class 6 : current package name (and possibly derived
2447 % packages)
2448 morekeywords=[6]{%
2449   cartonaugh,%
2450 },%
2451 % otherkeywords={},
2452 % alsoletter={},
2453 % alsodigit={},%
2454 % alsoother={},%
2455 sensitive,%
2456 }[keywords,tex,comments]%
2457
2458 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2459 % xistercian
2460 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2461 \lst@definlanguage[xistercian]{TeX}%
2462 {%
2463   % Control sequences names
2464   moretexcs={%
2465     cisterciannum,%
2466   },%
2467   % Keywords of class 1 : keywords that contain other characters (since
2468   % of the same class as the ones specified as 'otherkeywords')
2469   morekeywords={%
2470   },%
2471   % Keywords of class 2 : environments names
2472   morekeywords=[2]{%
2473     xistercian,%
2474   },%
2475   % Keywords of class 3 : mandatory arguments (not environments) &
2476   % optional arguments which are keys (in key=value)
2477   morekeywords=[3]{%
2478   },%
2479   % Keywords of class 4 : values of keys (in key=value)
2480   morekeywords=[4]{%
2481   },%
2482   % Keywords of class 5 : arguments specifications (after ":" in expl3
2483   % syntax)
2484   morekeywords=[5]{%
2485   },%
2486   % Keywords of class 6 : current package name (and possibly derived
2487   % packages)

```



```

2540 \lst@definlanguage[tabularray]{TeX}%
2541 {%
2542   % Control sequences names
2543   moretexcs={%
2544     ,%
2545   },%
2546   % Keywords of class 1 : keywords that contain other characters (since
2547   % of the same class as the ones specified as 'otherkeywords')
2548   morekeywords={%
2549     },%
2550   % Keywords of class 2 : environments names
2551   morekeywords=[2]{%
2552     tblr,%
2553   },%
2554   % Keywords of class 3 : mandatory arguments (not environments) &
2555   % optional arguments which are keys (in key=value)
2556   morekeywords=[3]{%
2557     width,colspec,row,bg,fg,font,column,hlines,X,%
2558   },%
2559   % Keywords of class 4 : values of keys (in key=value)
2560   morekeywords=[4]{%
2561     odd,%
2562   },%
2563   % Keywords of class 5 : arguments specifications (after ":" in expl3
2564   % syntax)
2565   morekeywords=[5]{%
2566     },%
2567   % Keywords of class 6 : current package name (and possibly derived
2568   % packages)
2569   morekeywords=[6]{%
2570     tabularray,%
2571   },%
2572   % otherkeywords={},
2573   % alsoletter={},
2574   % alsodigit={},%
2575   % alsoother={},%
2576   sensitive,%
2577 }[keywords,tex,comments]%
2578
2579 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2580 % ninecolors
2581 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2582 \lst@definlanguage[ninecolors]{TeX}%
2583 {%
2584   % Control sequences names
2585   moretexcs={%
2586     NineColors,%
2587   },%
2588   % Keywords of class 1 : keywords that contain other characters (since
2589   % of the same class as the ones specified as 'otherkeywords')
2590   morekeywords={%
2591     },%

```

```

2592 % Keywords of class 2 : environments names
2593 morekeywords=[2]{%
2594 },%
2595 % Keywords of class 3 : mandatory arguments (not environments) &
2596 % optional arguments which are keys (in key=value)
2597 morekeywords=[3]{%
2598   gray1,red1,brown1,yellow1,olive1,green1,teal1,cyan1,azure1,%
2599   blue1,violet1,magenta1,purple1,gray2,red2,brown2,yellow2,olive2,%
2600   green2,teal2,cyan2,azure2,blue2,violet2,magenta2,purple2,gray3,%
2601   red3,brown3,yellow3,olive3,green3,teal3,cyan3,azure3,blue3,%
2602   violet3,magenta3,purple3,gray4,red4,brown4,yellow4,olive4,%
2603   green4,teal4,cyan4,azure4,blue4,violet4,magenta4,purple4,gray5,%
2604   red5,brown5,yellow5,olive5,green5,teal5,cyan5,azure5,blue5,%
2605   violet5,magenta5,purple5,gray6,red6,brown6,yellow6,olive6,%
2606   green6,teal6,cyan6,azure6,blue6,violet6,magenta6,purple6,gray7,%
2607   red7,brown7,yellow7,olive7,green7,teal7,cyan7,azure7,blue7,%
2608   violet7,magenta7,purple7,gray8,red8,brown8,yellow8,olive8,%
2609   green8,teal8,cyan8,azure8,blue8,violet8,magenta8,purple8,gray9,%
2610   red9,brown9,yellow9,olive9,green9,teal9,cyan9,azure9,blue9,%
2611   violet9,magenta9,purple9,gray1,red1,brown1,yellow1,olive1,%
2612   green1,teal1,cyan1,azure1,blue1,violet1,magenta1,purple1,gray2,%
2613   red2,brown2,yellow2,olive2,green2,teal2,cyan2,azure2,blue2,%
2614   violet2,magenta2,purple2,gray3,red3,brown3,yellow3,olive3,%
2615   green3,teal3,cyan3,azure3,blue3,violet3,magenta3,purple3,gray4,%
2616   red4,brown4,yellow4,olive4,green4,teal4,cyan4,azure4,blue4,%
2617   violet4,magenta4,purple4,gray5,red5,brown5,yellow5,olive5,%
2618   green5,teal5,cyan5,azure5,blue5,violet5,magenta5,purple5,gray6,%
2619   red6,brown6,yellow6,olive6,green6,teal6,cyan6,azure6,blue6,%
2620   violet6,magenta6,purple6,gray7,red7,brown7,yellow7,olive7,%
2621   green7,teal7,cyan7,azure7,blue7,violet7,magenta7,purple7,gray8,%
2622   red8,brown8,yellow8,olive8,green8,teal8,cyan8,azure8,blue8,%
2623   violet8,magenta8,purple8,gray9,red9,brown9,yellow9,olive9,%
2624   green9,teal9,cyan9,azure9,blue9,violet9,magenta9,purple9,%
2625   saturation,%
2626 },%
2627 % Keywords of class 4 : values of keys (in key=value)
2628 morekeywords=[4]{%
2629   low,medium,high,%
2630 },%
2631 % Keywords of class 5 : arguments specifications (after ":" in expl3
2632 % syntax)
2633 morekeywords=[5]{%
2634 },%
2635 % Keywords of class 6 : current package name (and possibly derived
2636 % packages)
2637 morekeywords=[6]{%
2638   ninecolors,%
2639 },%
2640 % otherkeywords={},%
2641 alsoletter={123456789},%
2642 % alsodigit={},%
2643 % alsoother={},%

```

```

2644     sensitive,%
2645 }[keywords,tex,comments]%
2646
2647 \lst@definlanguage[fontspec]{TeX}{%
2648     % Control sequences names
2649     moretexcs={%
2650         EncodingAccent,EncodingCommand,EncodingComposite,%
2651         EncodingCompositeCommand,EncodingSymbol,IfFontExistsTF,%
2652         IfFontFeatureActiveTF,UndeclareAccent,UndeclareCommand,%
2653         UndeclareComposite,UndeclareSymbol,addfontfeature,addfontfeatures,%
2654         aliasfontfeature,aliasfontfeatureoption,defaultfontfeatures,fontspec
2655         ,%
2656         liningnums,newAATfeature,newfontface,newfontfamily,newfontfeature,%
2657         newfontlanguage,newfontscript,newopentypefeature,oldstylenums,%
2658         providefontface,providefontfamily,renewfontface,renewfontfamily,%
2659         setboldmathrm,setfontface,setfontfamily,setmainfont,setmathrm,%
2660         setmathsf,setmathtt,setmonofont,setromanfont,setsansfont,strong,%
2661         strongfontdeclare,strongresetsetmainfont,%
2662     },%
2663     % Keywords of class 1 : keywords that contain other characters (since
2664     % of the same class as the ones specified as 'otherkeywords')
2665     morekeywords={%
2666     },%
2667     % Keywords of class 2 : environments names
2668     morekeywords=[2]{%
2669     },%
2670     % Keywords of class 3 : mandatory arguments (not environments) &
2671     % optional arguments which are keys (in key=value)
2672     morekeywords=[3]{%
2673         Alternate,Annotation,AutoFakeBold,AutoFakeSlant,BoldFeatures,%
2674         BoldFont,BoldItalicFeatures,BoldItalicFont,BoldSlantedFeatures,%
2675         BoldSlantedFont,BoldSwashFeatures,BoldSwashFont,CJKShape,
2676         ItalicFeatures,%
2677         CharacterVariant,CharacterWidth,Color,Colour,Contextuals,%
2678         Diacritics,Extension,FakeBold,FakeSlant,FakeStretch,Font,FontFace,%
2679         Fractions,HyphenChar,IgnoreFontspecFileItalicFeatures,ItalicFont,%
2680         Kerning,Language,LetterSpace,Letters,Ligatures,LocalForms,%
2681         NFSSFFamily,Numbers,OpticalSize,Ornament,Path,PunctuationSpace,%
2682         RawFeature,Scale,ScaleAgain,Script,Size,SizeFeatures,%
2683         SlantedFeatures,SlantedFont,SmallCapsFeatures,SmallCapsFont,Style,%
2684         StylisticAlternates,StylisticSet,SwashFeatures,SwashFont,%
2685         UprightFeatures,UprightFont,Variant,Vertical,VerticalPosition,%
2686         WordSpace,Mapping,Renderer,Traditional,Simplified,JIS1978,JIS1983,%
2687         JIS1990,Expert,NLC,%
2688     },%
2689     % Keywords of class 4 : values of keys (in key=value)
2690     morekeywords=[4]{%
2691         AboveBase,Alternate,AlternateHalf,AlternateMetrics,%
2692         AlternateProportional,Alternates,AlternatesForRotation,Arabic,%
2693         ArabicOff,BelowBase,Common,Contextual,Cursive,Denominator,%
2694         Discretionary,Expert,Full,Half,HalfMetrics,Historic,%
2695         HorizontalKana,Inferior,Inner,Italic,JIS1978,JIS1983,JIS1990,%

```

```

2694 KanaAlternates,Kerning,LineFinal,Lining,LiningOff,Lowercase,%
2695 LowercaseOff,MarkToBase,MarkToMark,Monospaced,MonospacedOff,NLC,%
2696 Numerator,Off,OldStyle,OldStyleOff,On,Ordinal,PetiteCaps,%
2697 Proportional,ProportionalMetrics,ProportionalOff,Quarter,Rare,%
2698 Required,Reset,ResetAll,RotatedGlyphs,Ruby,ScientificInferior,%
2699 Simplified,SlashedZero,SlashedZeroOff,SmallCaps,Superior,Swash,%
2700 TeX,Thurd,Titling,Traditional,Unicase,Uppercase,UppercaseOff,%
2701 UppercasePetiteCaps,UppercaseSmallCaps,VerticalKana,WordFinal,%
2702 WordInitial,ResetAll,c2sc,scmp,sinf,sups,zero,ss06,ss01,%
2703 ss04,-liga,frac,titl,swsh,hist,hlig,MatchUppercase,MatchLowercase,%
2704 },%
2705 % Keywords of class 5 : arguments specifications (after ":" in expl3
2706 % syntax)
2707 morekeywords=[5]{%
2708 },%
2709 % Keywords of class 6 : current package name (and possibly derived
2710 % packages)
2711 morekeywords=[6]{%
2712 fontspec%
2713 },%
2714 % otherkeywords={},%
2715 alsoletter={20614-},%
2716 % alsodigit={},%
2717 % alsoother={},%
2718 sensitive,%
2719 }[keywords,tex,comments]%
2720
2721 \lst@definlanguage[ProfCollege]{TeX}{%
2722 % Control sequences names
2723 moretexcs={%
2724 Thales,Pourcentage,ResolEquation%
2725 },%
2726 % Keywords of class 1 : keywords that contain other characters (since
2727 % of the same class as the ones specified as 'otherkeywords')
2728 morekeywords={%
2729 },%
2730 % Keywords of class 2 : environments names
2731 morekeywords=[2]{%
2732 Twitter,Scratch,%
2733 },%
2734 % Keywords of class 3 : mandatory arguments (not environments) &
2735 % optional arguments which are keys (in key=value)
2736 morekeywords=[3]{%
2737 Auteur,Logo,Calculer,%
2738 },%
2739 % Keywords of class 4 : values of keys (in key=value)
2740 morekeywords=[4]{%
2741 Place,Drapeau,Avancer,Repeter,Tournerg,FinBlocRepeter,%
2742 },%
2743 % Keywords of class 5 : arguments specifications (after ":" in expl3
2744 % syntax)
2745 morekeywords=[5]{%

```

```

2746     },%
2747     % Keywords of class 6 : current package name (and possibly derived
2748     % packages)
2749     morekeywords=[6]{%
2750         ProfCollege,%
2751     },%
2752     % otherkeywords={},
2753     % alsoletter={},
2754     % alsodigit={},%
2755     % alsoother={},%
2756     sensitive,%
2757 }[keywords,tex,comments]%
2758
2759 \lst@definlanguage[tkz-euclide]{TeX}{%
2760     % Control sequences names
2761     moretexcs={%
2762         tkzDefPoint,tkzInterCC,tkzGetPoints,tkzDrawCircles,tkzDrawPolygon,%
2763         tkzDrawPoints,tkzMarkSegments,tkzLabelSegments,tkzLabelPoints,%
2764         tkzLabelPoints,%
2765     },%
2766     % Keywords of class 1 : keywords that contain other characters (since
2767     % of the same class as the ones specified as 'otherkeywords')
2768     morekeywords={%
2769     },%
2770     % Keywords of class 2 : environments names
2771     morekeywords=[2]{%
2772         tikzpicture,%
2773     },%
2774     % Keywords of class 3 : mandatory arguments (not environments) &
2775     % optional arguments which are keys (in key=value)
2776     morekeywords=[3]{%
2777         mark,swap,above,scale,%
2778     },%
2779     % Keywords of class 4 : values of keys (in key=value)
2780     morekeywords=[4]{%
2781     },%
2782     % Keywords of class 5 : arguments specifications (after ":" in expl3
2783     % syntax)
2784     morekeywords=[5]{%
2785     },%
2786     % Keywords of class 6 : current package name (and possibly derived
2787     % packages)
2788     morekeywords=[6]{%
2789         tkz-euclide },%
2790     % otherkeywords={},
2791     % alsoletter={},
2792     % alsodigit={},%
2793     % alsoother={},%
2794     sensitive,%
2795 }[keywords,tex,comments]%
2796
2797 \lst@definlanguage[tkz-fct]{TeX}{%

```



```

2798 % Control sequences names
2799 moretexcs={%
2800     tkzInit,tkzDrawX,tkzDrawY,tkzFct,tkzDefPoint,tkzDrawPoint,%
2801     tkzPointShowCoord,tkzDefPoint,tkzDrawPoint,tkzPointShowCoord,%
2802     tkzRep,%
2803 },%
2804 % Keywords of class 1 : keywords that contain other characters (since
2805 % of the same class as the ones specified as 'otherkeywords')
2806 morekeywords={%
2807 },%
2808 % Keywords of class 2 : environments names
2809 morekeywords=[2]{%
2810     tikzpicture,%
2811 },%
2812 % Keywords of class 3 : mandatory arguments (not environments) &
2813 % optional arguments which are keys (in key=value)
2814 morekeywords=[3]{%
2815     xmin,xmax,ymin,ymax,samples,domain,xlabel,ylabel,xscale,yscale%
2816 },%
2817 % Keywords of class 4 : values of keys (in key=value)
2818 morekeywords=[4]{%
2819 },%
2820 % Keywords of class 5 : arguments specifications (after ":" in expl3
2821 % syntax)
2822 morekeywords=[5]{%
2823 },%
2824 % Keywords of class 6 : current package name (and possibly derived
2825 % packages)
2826 morekeywords=[6]{%
2827     tkz-fct },%
2828 % otherkeywords={},
2829 % alsoletter={},
2830 % alsodigit={},%
2831 % alsoother={},%
2832 sensitive,%
2833 }[keywords,tex,comments]%
2834
2835 \lst@definlanguage[tkz-tab]{TeX}{%
2836 % Control sequences names
2837 moretexcs={%
2838     tkzTabInit,tkzTabLine,tkzTabVar,%
2839 },%
2840 % Keywords of class 1 : keywords that contain other characters (since
2841 % of the same class as the ones specified as 'otherkeywords')
2842 morekeywords={%
2843 },%
2844 % Keywords of class 2 : environments names
2845 morekeywords=[2]{%
2846     tikzpicture,%
2847 },%
2848 % Keywords of class 3 : mandatory arguments (not environments) &
2849 % optional arguments which are keys (in key=value)

```



```

2850     morekeywords=[3]{%
2851         lgt,espcl,t,d,z,+,-,-D+/,+/-,-/,+D/,scale,%
2852     },%
2853     % Keywords of class 4 : values of keys (in key=value)
2854     morekeywords=[4]{%
2855     },%
2856     % Keywords of class 5 : arguments specifications (after ":" in expl3
2857     % syntax)
2858     morekeywords=[5]{%
2859     },%
2860     % Keywords of class 6 : current package name (and possibly derived
2861     % packages)
2862     morekeywords=[6]{%
2863         tkz-tab },%
2864     % otherkeywords={},%
2865     alsoletter={+/-},%
2866     % alsodigit={},%
2867     % alsoother={},%
2868     sensitive,%
2869 }[keywords,tex,comments]%
2870
2871 \lst@definlanguage[mecaso]{TeX}{%
2872     % Control sequences names
2873     moretexcs={%
2874         KineticT,%
2875     },%
2876     % Keywords of class 1 : keywords that contain other characters (since
2877     % of the same class as the ones specified as 'otherkeywords')
2878     morekeywords={%
2879     },%
2880     % Keywords of class 2 : environments names
2881     morekeywords=[2]{%
2882     },%
2883     % Keywords of class 3 : mandatory arguments (not environments) &
2884     % optional arguments which are keys (in key=value)
2885     morekeywords=[3]{%
2886     },%
2887     % Keywords of class 4 : values of keys (in key=value)
2888     morekeywords=[4]{%
2889     },%
2890     % Keywords of class 5 : arguments specifications (after ":" in expl3
2891     % syntax)
2892     morekeywords=[5]{%
2893     },%
2894     % Keywords of class 6 : current package name (and possibly derived
2895     % packages)
2896     morekeywords=[6]{%
2897         mecaso },%
2898     % otherkeywords={},
2899     % alsoletter={},
2900     % alsodigit={},%
2901     % alsoother={},%

```

```

2902     sensitive,%
2903 }[keywords,tex,comments]%
2904
2905 \lst@definlanguage[hanzibox]{TeX}{%
2906     % Control sequences names
2907     moretexcs={%
2908         hanzibox*,hanziboxset,%
2909     },%
2910     % Keywords of class 1 : keywords that contain other characters (since
2911     % of the same class as the ones specified as 'otherkeywords')
2912     morekeywords={%
2913     },%
2914     % Keywords of class 2 : environments names
2915     morekeywords=[2]{%
2916     },%
2917     % Keywords of class 3 : mandatory arguments (not environments) &
2918     % optional arguments which are keys (in key=value)
2919     morekeywords=[3]{%
2920         frametype,pinyinline,%
2921     },%
2922     % Keywords of class 4 : values of keys (in key=value)
2923     morekeywords=[4]{%
2924         none,true,%
2925     },%
2926     % Keywords of class 5 : arguments specifications (after ":" in expl3
2927     % syntax)
2928     morekeywords=[5]{%
2929     },%
2930     % Keywords of class 6 : current package name (and possibly derived
2931     % packages)
2932     morekeywords=[6]{%
2933         hanzibox },%
2934     % otherkeywords={},%
2935     % alsoletter={},%
2936     % alsodigit={},%
2937     alsoother={*},%
2938     sensitive,%
2939 }[keywords,tex,comments]%
2940
2941 \lst@definlanguage[tikz-bagua]{TeX}{%
2942     % Control sequences names
2943     moretexcs={%
2944         Bagua*,%
2945     },%
2946     % Keywords of class 1 : keywords that contain other characters (since
2947     % of the same class as the ones specified as 'otherkeywords')
2948     morekeywords={%
2949     },%
2950     % Keywords of class 2 : environments names
2951     morekeywords=[2]{%
2952     },%
2953     % Keywords of class 3 : mandatory arguments (not environments) &

```

```

2954 % optional arguments which are keys (in key=value)
2955 morekeywords=[3]{%
2956 },%
2957 % Keywords of class 4 : values of keys (in key=value)
2958 morekeywords=[4]{%
2959 },%
2960 % Keywords of class 5 : arguments specifications (after ":" in expl3
2961 % syntax)
2962 morekeywords=[5]{%
2963 },%
2964 % Keywords of class 6 : current package name (and possibly derived
2965 % packages)
2966 morekeywords=[6]{%
2967 tikz-bagua },%
2968 % otherkeywords={},%
2969 % alsoletter={},%
2970 % alsodigit={},%
2971 alsoother={*},%
2972 sensitive,%
2973 }[keywords, tex, comments]%
2974
2975 \lst@definlanguage[bodeplot]{TeX}{%
2976 % Control sequences names
2977 moretexcs={%
2978 addBodeZPKPlots },%
2979 % Keywords of class 1 : keywords that contain other characters (since
2980 % of the same class as the ones specified as 'otherkeywords')
2981 morekeywords={%
2982 },%
2983 % Keywords of class 2 : environments names
2984 morekeywords=[2]{%
2985 BodePlot,%
2986 },%
2987 % Keywords of class 3 : mandatory arguments (not environments) &
2988 % optional arguments which are keys (in key=value)
2989 morekeywords=[3]{%
2990 ylabel,ytick,distance,height,width,magnitude,z,p,k,%
2991 },%
2992 % Keywords of class 4 : values of keys (in key=value)
2993 morekeywords=[4]{%
2994 true,black,thick,linear,red,dashed,thick,asymptotic,blue,%
2995 dotted,thick,%
2996 },%
2997 % Keywords of class 5 : arguments specifications (after ":" in expl3
2998 % syntax)
2999 morekeywords=[5]{%
3000 },%
3001 % Keywords of class 6 : current package name (and possibly derived
3002 % packages)
3003 morekeywords=[6]{%
3004 bodeplot },%
3005 % otherkeywords={},%

```

```

3006     alsoletter={/},%
3007     % alsodigit={},%
3008     % alsoother={},%
3009     sensitive,%
3010 }[keywords,tex,comments]%
3011
3012 \lst@definlanguage[formal-grammar]{TeX}{%
3013     % Control sequences names
3014     moretexcs={%
3015         highlight,firstcase,gralt,nonterm },%
3016     % Keywords of class 1 : keywords that contain other characters (since
3017     % of the same class as the ones specified as 'otherkeywords')
3018     morekeywords={%
3019     },%
3020     % Keywords of class 2 : environments names
3021     morekeywords=[2]{%
3022         grammar },%
3023     % Keywords of class 3 : mandatory arguments (not environments) &
3024     % optional arguments which are keys (in key=value)
3025     morekeywords=[3]{%
3026     },%
3027     % Keywords of class 4 : values of keys (in key=value)
3028     morekeywords=[4]{%
3029     },%
3030     % Keywords of class 5 : arguments specifications (after ":" in expl3
3031     % syntax)
3032     morekeywords=[5]{%
3033     },%
3034     % Keywords of class 6 : current package name (and possibly derived
3035     % packages)
3036     morekeywords=[6]{%
3037         formal-grammar },%
3038     % otherkeywords={},
3039     % alsoletter={},
3040     % alsodigit={},%
3041     % alsoother={},%
3042     sensitive,%
3043 }[keywords,tex,comments]%
3044
3045 \lst@definlanguage[numerica-plus]{TeX}{%
3046     % Control sequences names
3047     moretexcs={%
3048         nmcRecur,%
3049     },%
3050     % Keywords of class 1 : keywords that contain other characters (since
3051     % of the same class as the ones specified as 'otherkeywords')
3052     morekeywords={%
3053     },%
3054     % Keywords of class 2 : environments names
3055     morekeywords=[2]{%
3056     },%
3057     % Keywords of class 3 : mandatory arguments (not environments) &

```

```

3058 % optional arguments which are keys (in key=value)
3059 morekeywords=[3]{%
3060   do, see1, f_, %
3061 }, %
3062 % Keywords of class 4 : values of keys (in key=value)
3063 morekeywords=[4]{%
3064 }, %
3065 % Keywords of class 5 : arguments specifications (after ":" in expl3
3066 % syntax)
3067 morekeywords=[5]{%
3068 }, %
3069 % Keywords of class 6 : current package name (and possibly derived
3070 % packages)
3071 morekeywords=[6]{%
3072   numerica-plus }, %
3073 % otherkeywords={}, %
3074 alsoletter={_1}, %
3075 % alsodigit={}, %
3076 % alsoother={}, %
3077 sensitive, %
3078 }[keywords, tex, comments]%
3079
3080 \lst@definlanguage[pascaltriangle]{TeX}{%
3081   % Control sequences names
3082   moretexcs={%
3083     pascal, %
3084   }, %
3085   % Keywords of class 1 : keywords that contain other characters (since
3086   % of the same class as the ones specified as 'otherkeywords')
3087   morekeywords={%
3088   }, %
3089   % Keywords of class 2 : environments names
3090   morekeywords=[2]{%
3091   }, %
3092   % Keywords of class 3 : mandatory arguments (not environments) &
3093   % optional arguments which are keys (in key=value)
3094   morekeywords=[3]{%
3095   }, %
3096   % Keywords of class 4 : values of keys (in key=value)
3097   morekeywords=[4]{%
3098   }, %
3099   % Keywords of class 5 : arguments specifications (after ":" in expl3
3100   % syntax)
3101   morekeywords=[5]{%
3102   }, %
3103   % Keywords of class 6 : current package name (and possibly derived
3104   % packages)
3105   morekeywords=[6]{%
3106     pascaltriangle }, %
3107   % otherkeywords={},
3108   % alsoletter={},
3109   % alsodigit={}, %

```

```

3110      % alsoother={},%
3111      sensitive,%
3112 }[keywords,tex,comments]%
3113
3114 \lst@definlanguage[pgf-interference]{TeX}{%
3115   % Control sequences names
3116   moretexcs={%
3117     pgfinterferencepattern,%
3118   },%
3119   % Keywords of class 1 : keywords that contain other characters
3120   % (since of the same class as the ones specified as 'otherkeywords')
3121   morekeywords={%
3122   },%
3123   % Keywords of class 2 : environments names
3124   morekeywords=[2]{%
3125   },%
3126   % Keywords of class 3 : mandatory arguments (not environments) &
3127   % optional arguments which are keys (in key=value)
3128   morekeywords=[3]{%
3129     slits,wavelength,slit-distance,intensity,ruler,scale,%
3130   },%
3131   % Keywords of class 4 : values of keys (in key=value)
3132   morekeywords=[4]{%
3133   },%
3134   % Keywords of class 5 : arguments specifications (after ":" in expl3
3135   % syntax)
3136   morekeywords=[5]{%
3137   },%
3138   % Keywords of class 6 : current package name (and possibly derived
3139   % packages)
3140   morekeywords=[6]{%
3141     pgf-interference%
3142   },%
3143   % otherkeywords={},%
3144   alsoletter={-},%
3145   % alsodigit={},%
3146   % alsoother={},%
3147   sensitive,%
3148 }[keywords,tex,comments]%
3149
3150 \lst@definlanguage[clistmap]{TeX}{%
3151   % Control sequences names
3152   moretexcs={%
3153     ExplSyntaxOn,ExplSyntaxOff,clistmap,%
3154   },%
3155   % Keywords of class 1 : keywords that contain other characters (since
3156   % of the same class as the ones specified as 'otherkeywords')
3157   morekeywords={%
3158   },%
3159   % Keywords of class 2 : environments names
3160   morekeywords=[2]{%
3161   },%

```

```

3162 % Keywords of class 3 : mandatory arguments (not environments) &
3163 % optional arguments which are keys (in key=value)
3164 morekeywords=[3]{%
3165     first_math,serial_rest_math_and,%
3166 },%
3167 % Keywords of class 4 : values of keys (in key=value)
3168 morekeywords=[4]{%
3169 },%
3170 % Keywords of class 5 : arguments specifications (after ":" in expl3
3171 % syntax)
3172 morekeywords=[5]{%
3173     nnn,N,%
3174 },%
3175 % Keywords of class 6 : current package name (and possibly derived
3176 % packages)
3177 morekeywords=[6]{%
3178     clistmap },%
3179 % otherkeywords={},%
3180 alsoletter={_},%
3181 % alsodigit={},%
3182 % alsoother={},%
3183 sensitive,%
3184 }[keywords,tex,comments]%
3185
3186 \lst@definlanguage[hexboard]{TeX}{%
3187 % Control sequences names
3188 moretexcs={%
3189     hexmove,%
3190 },%
3191 % Keywords of class 1 : keywords that contain other characters (since
3192 % of the same class as the ones specified as 'otherkeywords')
3193 morekeywords={%
3194 },%
3195 % Keywords of class 2 : environments names
3196 morekeywords=[2]{%
3197     hexgamelabels,%
3198 },%
3199 % Keywords of class 3 : mandatory arguments (not environments) &
3200 % optional arguments which are keys (in key=value)
3201 morekeywords=[3]{%
3202 },%
3203 % Keywords of class 4 : values of keys (in key=value)
3204 morekeywords=[4]{%
3205 },%
3206 % Keywords of class 5 : arguments specifications (after ":" in expl3
3207 % syntax)
3208 morekeywords=[5]{%
3209 },%
3210 % Keywords of class 6 : current package name (and possibly derived
3211 % packages)
3212 morekeywords=[6]{%
3213     hexboard },%

```

```

3214 % otherkeywords={},
3215 % alsoletter={},
3216 % alsodigit={},%
3217 % alsoother={},%
3218 sensitive,%
3219 }[keywords,tex,comments]%
3220
3221 \lst@definlanguage[robotarm]{TeX}{%
3222 % Control sequences names
3223 moretexcs={%
3224     robotArm,%
3225 },%
3226 % Keywords of class 1 : keywords that contain other characters (since
3227 % of the same class as the ones specified as 'otherkeywords')
3228 morekeywords={%
3229 },%
3230 % Keywords of class 2 : environments names
3231 morekeywords=[2]{%
3232     tikzpicture },%
3233 % Keywords of class 3 : mandatory arguments (not environments) &
3234 % optional arguments which are keys (in key=value)
3235 morekeywords=[3]{%
3236     config,q1,q2,q3,%
3237 },%
3238 % Keywords of class 4 : values of keys (in key=value)
3239 morekeywords=[4]{%
3240 },%
3241 % Keywords of class 5 : arguments specifications (after ":" in expl3
3242 % syntax)
3243 morekeywords=[5]{%
3244 },%
3245 % Keywords of class 6 : current package name (and possibly derived
3246 % packages)
3247 morekeywords=[6]{%
3248     robotarm },%
3249 % otherkeywords={},%
3250 alsoletter={123},%
3251 % alsodigit={},%
3252 % alsoother={},%
3253 sensitive,%
3254 }[keywords,tex,comments]%
3255
3256 \lst@definlanguage[amsfonts]{TeX}{%
3257 % Control sequences names
3258 moretexcs={%
3259     mathbb,mathfrak,angle,Box,dasharrow,dashleftarrow,dashrightarrow,%
3260     Diamond,hbar,Join,leadsto,lhd,llcorner,lozenge,lrcorner,mho,%
3261     rhd,rightleftharpoons,rightsquigarrow,sqsubset,sqsupset,square,%
3262     trianglelefteq,trianglerighteq,ulcorner,unlhd,unrhd,urcorner,%
3263     vartriangleleft,vartriangleright,widehat{arg},widetilde{arg},yen,%
3264     checkmark,circledR,maltese,%
3265 },%

```



```

3266 % Keywords of class 1 : keywords that contain other characters (since
3267 % of the same class as the ones specified as 'otherkeywords')
3268 morekeywords={%
3269 },%
3270 % Keywords of class 2 : environments names
3271 morekeywords=[2]{%
3272 },%
3273 % Keywords of class 3 : mandatory arguments (not environments) &
3274 % optional arguments which are keys (in key=value)
3275 morekeywords=[3]{%
3276 },%
3277 % Keywords of class 4 : values of keys (in key=value)
3278 morekeywords=[4]{%
3279 },%
3280 % Keywords of class 5 : arguments specifications (after ":" in expl3
3281 % syntax)
3282 morekeywords=[5]{%
3283 },%
3284 % Keywords of class 6 : current package name (and possibly derived
3285 % packages)
3286 morekeywords=[6]{%
3287   amsfonts },%
3288 % otherkeywords={},
3289 % alsoletter={},
3290 % alsodigit={},%
3291 % alsoother={},%
3292 sensitive,%
3293 }[keywords, tex, comments]%
3294
3295 \lst@definlanguage[biolinum]{TeX}{%
3296 % Control sequences names
3297 moretexcs={%
3298   biolinum, biolinumOsF, biolinumLF, biolinumkey, sufigures, textsu,%
3299   textsuperior, oldstylenums, liningnums, oldstylenumsf, liningnumsf,%
3300   tabularnums, proportionalnums, tabularnumsf, proportionalnumsf,%
3301   DeclareTextGlyphY, biolinumGlyph, biolinumKeyGlyph, LKey, LKeyPad,%
3302   LKeyF, LKeyAltF, LKeyStrgAltF, LKeyCtrlAltF, LKeyStrgX, LKeyCtrlX,%
3303   LKeyShiftX, LKeyAltX, LKeyAltGrX, LKeyShiftStrgX, LKeyShiftCtrlX,%
3304   LKeyShiftAltX, LKeyShiftAltGrX, LKeyStrgAltX, LKeyCtrlAltX,%
3305   LKeyStrgAltEnt, LKeyCtrlAltEnt, LKeyReset, LKeyTux, LKeyWin, LKeyMenu,%
3306   LKeyStrg, LKeyCtrl, LKeyAlt, LKeyAltGr, LKeyShift, LKeyTab, LKeyEnter,%
3307   LKeyCapsLock, LKeyPos, LKeyEntf, LKeyEinf, LKeyLeer, LKeyEsc, LKeyEnde,%
3308   LKeyCommand, LKeyOptionKey, LKeyBack, LKeyUp, LKeyDown, LKeyLeft,%
3309   LKeyRight, LKeyPgUp, LKeyPgDown, LKeyAt, LKeyFn, LKeyHome, LKeyDel,%
3310   LKeySpace, LKeyScreenUp, LKeyScreenDown, LKeyIns, LKeyEnd, LKeyGNU,%
3311   LKeyPageUp, LKeyPageDown, LMouseEmpty, LMouseN, LMouseL, LMouseM,%
3312   LMouseR, LMouseLR, LMouseIIEmpy, LMouseIIN, LMouseIIL, LMouseIIR,%
3313   LMouseIILR,%
3314 },%
3315 % Keywords of class 1 : keywords that contain other characters (since
3316 % of the same class as the ones specified as 'otherkeywords')
3317 morekeywords={%

```

```

3318     },%
3319     % Keywords of class 2 : environments names
3320     morekeywords=[2]{%
3321     },%
3322     % Keywords of class 3 : mandatory arguments (not environments) &
3323     % optional arguments which are keys (in key=value)
3324     morekeywords=[3]{%
3325         sfdefault,type1,nofontspec,lining,nf,lf,oldstyle,osf,sflining,%
3326         sflf,sfoldstyle,sfosf,osfss,tabular,t,p,sftabular,sft,%
3327         sfproportional,sfp,scaled,scale,defaultfeatures,space,uni0020,%
3328         exclam,uni0021,quotedbl,uni0022,numbersign,uni0023,dollar,%
3329         uni0024,percent,uni0025,ampersand,uni0026,quotesingle,uni0027,%
3330         parenleft,uni0028,parenright,uni0029,asterisk,uni002A,plus,%
3331         uni002B,comma,uni002C,hyphen,uni002D,period,uni002E,slash,%
3332         uni002F,zero,uni0030,one,uni0031,two,uni0032,three,uni0033,%
3333         four,uni0034,five,uni0035,six,uni0036,seven,uni0037,eight,%
3334         uni0038,nine,uni0039,colon,uni003A,semicolon,uni003B,less,%
3335         uni003C,equal,uni003D,greater,uni003E,question,uni003F,at,%
3336         bracketleft,uni005B,backslash,uni005C,bracketright,uni005D,%
3337         asciicircum,uni005E,underscore,uni005F,grave,uni0060,uni007A,%
3338         braceleft,uni007B,bar,uni007C,braceright,uni007D,asciitilde,%
3339         uni007E,exclamdown,uni00A1,cent,uni00A2,sterling,uni00A3,%
3340         currency,uni00A4,yen,uni00A5,brokenbar,uni00A6,section,uni00A7,%
3341         dieresis,uni00A8,guillemotleft,uni00AB,uni00AD,degree,uni00B0,%
3342         plusminus,uni00B1,acute,uni00B4,uni00B5,periodcentered,uni00B7,%
3343         cedilla,uni00B8,guillemotright,uni00BB,Agrave,uni00C0,Aacute,%
3344         uni00C1,Acircumflex,uni00C2,Atilde,uni00C3,Adieresis,uni00C4,%
3345         Aring,uni00C5,Ccedilla,uni00C7,Egrave,uni00C8,Eacute,uni00C9,%
3346         Ecircumflex,uni00CA,Edieresis,uni00CB,Igrave,uni00CC,Iacute,%
3347         uni00CD,Icircumflex,uni00CE,Idieresis,uni00CF,Eth,uni00D0,Ntilde,%
3348         uni00D1,Ograve,uni00D2,Oacute,uni00D3,OCircumflex,uni00D4,Otilde,%
3349         uni00D5,Odieresis,uni00D6,multiply,uni00D7,Oslash,uni00D8,Ugrave,%
3350         uni00D9,Uacute,uni00DA,Ucircumflex,uni00DB,Udieresis,uni00DC,%
3351         Yacute,uni00DD,Thorn,uni00DE,germandbls,uni00DF,agrave,uni00E0,%
3352         aacute,uni00E1,acircumflex,uni00E2,atilde,uni00E3,adieresis,%
3353         uni00E4,aring,uni00E5,ae,uni00E6,ccedilla,uni00E7,egrave,%
3354         uni00E8,eacute,uni00E9,ecircumflex,uni00EA,edieresis,uni00EB,%
3355         igrave,uni00EC,iacute,uni00ED,icircumflex,uni00EE,idieresis,%
3356         uni00EF,eth,uni00F0,ntilde,uni00F1,ograve,uni00F2,oacute,%
3357         uni00F3,ocircumflex,uni00F4,otilde,uni00F5,odieresis,uni00F6,%
3358         divide,uni00F7,oslash,uni00F8,ugrave,uni00F9,uacute,uni00FA,%
3359         ucircumflex,uni00FB,udieresis,uni00FC,yacute,uni00FD,thorn,%
3360         uni00FE,ydieresis,uni00FF,Amacron,uni0100,amacron,uni0101,Abreve,%
3361         uni0102,abreve,uni0103,Aogonek,uni0104,aogonek,uni0105,Cacute,%
3362         uni0106,cacute,uni0107,Ccircumflex,uni0108,ccircumflex,uni0109,%
3363         Cdotaccent,uni010A,cdotaccent,uni010B,Ccaron,uni010C,ccaron,%
3364         uni010D,Dcaron,uni010E,dcaron,uni010F,Dcroat,uni0110,dcroat,%
3365         uni0111,Emacron,uni0112,emacron,uni0113,Ebreve,uni0114,ebreve,%
3366         uni0115,Edotaccent,uni0116,edotaccent,uni0117,Eogonek,uni0118,%
3367         eogonek,uni0119,Ecaron,uni011A,ecaron,uni011B,Gcircumflex,%
3368         uni011C,gcircumflex,uni011D,gbreve,uni011E,gbreve,uni011F,%
3369         Gdotaccent,uni0120,gdotaccent,uni0121,Gcommaaccent,uni0122,%

```

3370 gcommaaccent, uni0123, Hcircumflex, uni0124, hcircumflex, uni0125, Hbar, %  
 3371 uni0126, hbar, uni0127, Itilde, uni0128, itilde, uni0129, Iacron, %  
 3372 uni012A, imacron, uni012B, Ibreve, uni012C, ibreve, uni012D, Iogonek, %  
 3373 uni012E, iogonek, uni012F, Idotaccent, uni0130, dotlessi, uni0131, IJ, %  
 3374 uni0132, ij, uni0133, Jcircumflex, uni0134, jcircumflex, uni0135, %  
 3375 Kcommaaccent, uni0136, kcommaaccent, uni0137, kgreenlandic, uni0138, %  
 3376 Lacute, uni0139, lacute, uni013A, Lcommaaccent, uni013B, lcommaaccent, %  
 3377 uni013C, Lcaron, uni013D, lcaron, uni013E, Ldot, uni013F, ldot, uni0140, %  
 3378 Lslash, uni0141, lslash, uni0142, Nacute, uni0143, nacute, uni0144, %  
 3379 Ncommaaccent, uni0145, ncommaaccent, uni0146, Ncaron, uni0147, ncaron, %  
 3380 uni0148, napostrophe, uni0149, Omacron, uni014C, omacron, uni014D, %  
 3381 Obreve, uni014E, obreve, uni014F, Ohungarumlaut, uni0150, ohungarumlaut, %  
 3382 uni0151, Racute, uni0154, racute, uni0155, Rcommaaccent, uni0156, %  
 3383 rcommaaccent, uni0157, Rcaron, uni0158, rcaron, uni0159, Sacute, %  
 3384 uni015A, sacute, uni015B, Scircumflex, uni015C, scircumflex, uni015D, %  
 3385 Scedilla, uni015E, scedilla, uni015F, Scaron, uni0160, scaron, uni0161, %  
 3386 Tcedilla, uni0162, tcedilla, uni0163, Tcaron, uni0164, tcaron, uni0165, %  
 3387 Tbar, uni0166, tbar, uni0167, Utilde, uni0168, utilde, uni0169, Umacron, %  
 3388 uni016A, umacron, uni016B, Ubreve, uni016C, ubreve, uni016D, Uring, %  
 3389 uni016E, uring, uni016F, Uhungarumlaut, uni0170, uhungarumlaut, uni0171, %  
 3390 Uogonek, uni0172, uogonek, uni0173, Wcircumflex, uni0174, wcircumflex, %  
 3391 uni0175, Ycircumflex, uni0176, ycircumflex, uni0177, Ydieresis, uni0178, %  
 3392 Zacute, uni0179, zacute, uni017A, Zdotaccent, uni017B, zdotaccent, %  
 3393 uni017C, Zcaron, uni017D, zcaron, uni017E, h. superior, uni02B0, %  
 3394 hhook. superior, uni02B1, j. superior, uni02B2, r. superior, uni02B3, %  
 3395 rturned. superior, uni02B4, rhocturned. superior, uni02B5, %  
 3396 Rsmallinverted. superior, uni02B6, w. superior, uni02B7, y. superior, %  
 3397 uni02B8, uni02B9, uni02BA, uni02BB, afii57929, uni02BC, afii64937, %  
 3398 uni02BD, uni02BE, uni02BF, uni02C0, uni02C1, uni02C2, uni02C3, uni02C4, %  
 3399 uni02C5, circumflex, uni02C6, caron, uni02C7, uni02C8, uni02C9, uni02CA, %  
 3400 uni02CB, uni02CC, uni02CD, uni02CE, uni02CF, uni02D0, uni02D1, uni02D2, %  
 3401 uni02D3, uni02D4, uni02D5, uni02D6, uni02D7, breve, uni02D8, dotaccent, %  
 3402 uni02D9, ring, uni02DA, ogonek, uni02DB, tilde, uni02DC, hungarumlaut, %  
 3403 uni02DD, uni02DE, uni02DF, gammalatin. superior, uni02E0, l. superior, %  
 3404 uni02E1, s. superior, uni02E2, x. superior, uni02E3, %  
 3405 glottalstopreversed. superior, uni02E4, uni02EC, uni02ED, uni02EE, %  
 3406 gravecomb, uni0300, acutecomb, uni0301, uni0302, tildecomb, uni0303, %  
 3407 uni0304, uni0305, uni0306, uni0307, uni0308, hookabovecomb, uni0309, %  
 3408 uni030A, uni030B, uni030C, uni030D, uni030E, uni030F, uni0310, uni0311, %  
 3409 uni0312, uni0313, uni0314, uni0315, uni0316, uni0317, uni0318, uni0319, %  
 3410 uni031A, uni031B, uni031C, uni031D, uni031E, uni031F, uni0320, uni0321, %  
 3411 uni0322, dotbelowcomb, uni0323, uni0324, uni0325, uni0326, uni0327, %  
 3412 uni0328, uni0329, uni032A, uni032B, uni032C, uni032D, uni032E, uni032F, %  
 3413 uni0330, uni0331, uni0338, uni0342, uni0343, uni0351, uni0357, uni0358, %  
 3414 uni0359, uni035A, uni035B, uni035C, uni035D, uni035E, uni035F, uni0360, %  
 3415 uni0361, uni0362, uni0363, uni0374, uni0375, afii57799, uni05B0, %  
 3416 afii57801, uni05B1, afii57800, uni05B2, afii57802, uni05B3, afii57793, %  
 3417 uni05B4, afii57794, uni05B5, afii57795, uni05B6, afii57798, uni05B7, %  
 3418 afii57797, uni05B8, afii57806, uni05B9, uni05BA, afii57796, uni05BB, %  
 3419 afii57807, uni05BC, afii57839, uni05BD, afii57645, uni05BE, afii57841, %  
 3420 uni05BF, afii57842, uni05C0, afii57804, uni05C1, afii57803, uni05C2, %  
 3421 afii57658, uni05C3, uni05C6, afii57664, uni05D0, afii57665, uni05D1, %

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3422     afii57666, uni05D2, afii57667, uni05D3, afii57668, uni05D4, afii57669, %
3423     uni05D5, afii57670, uni05D6, afii57671, uni05D7, afii57672, uni05D8, %
3424     afii57673, uni05D9, afii57674, uni05DA, afii57675, uni05DB, afii57676, %
3425     uni05DC, afii57677, uni05DD, afii57678, uni05DE, afii57679, uni05DF, %
3426     afii57680, uni05E0, afii57681, uni05E1, afii57682, uni05E2, afii57683, %
3427     uni05E3, afii57684, uni05E4, afii57685, uni05E5, afii57686, uni05E6, %
3428     afii57687, uni05E7, afii57688, uni05E8, afii57689, uni05E9, afii57690, %
3429     uni05EA, afii57716, uni05F0, afii57717, uni05F1, afii57718, uni05F2, %
3430     arrowleft, uni2190, arrowup, uni2191, arrowright, uni2192, arrowdown, %
3431     uni2193, arrowboth, uni2194, arrowupdn, uni2195, uni2196, uni2197, %
3432     uni2198, uni2199, uni219A, uni219B, uni21A5, uni21A7, uni21BC, uni21BD, %
3433     uni21C0, uni21C1, arrowdblleft, uni21D0, arrowdblup, uni21D1, %
3434     arrowdblright, uni21D2, arrowdbldown, uni21D3, arrowdblboth, uni21D4, %
3435     uni21D5, Nwarrow, uni21D6, Nearrow, uni21D7, Searrow, uni21D8, Swarrow, %
3436     uni21D9, uni2318, uni2325, uni2326, uni2327, uni232B, uni237D, uni2380, %
3437     uni2423, filledbox, uni25A0, H22073, uni25A1, triagup, uni25B2, uni25B3, %
3438     uni25B6, uni25B7, triagdn, uni25BC, uni25BD, uni25C0, uni25C1, uni25C6, %
3439     uni25C7, uni25C9, lozenge, uni25CA, circle, uni25CB, uni25CE, H18533, %
3440     uni25CF, uni25D0, uni25D1, uni25D2, uni25D3, uni25D4, uni25D5, uni25D6, %
3441     uni25D7, openbullet, uni25E6, uni2605, uni2619, uni261B, uni261E, %
3442     uni2627, uni262F, uni2639, uni263A, uni263B, uni263C, uni263D, uni263E, %
3443     uni263F, female, uni2640, uni2641, male, uni2642, uni2643, uni2644, %
3444     uni2645, uni2646, uni2647, uni2648, uni2649, uni264A, uni264B, uni264C, %
3445     uni264D, uni264E, uni264F, uni2650, uni2651, uni2652, uni2653, uni2660, %
3446     uni2663, uni2665, uni2666, uni2669, musicalnote, uni266A, %
3447     musicalnotedbl, uni266B, uni266C, uni2695, uni2698, uni26A2, uni26A3, %
3448     uni26A4, uni26A5, uni26AD, uni2767, uni2776, uni2777, uni2778, uni2779, %
3449     uni277A, uni277B, uni277C, uni277D, uni277E, uni277F, T_u_x, uniE000, %
3450     uniE104, uniE128, uniE129, uniE12A, uniE130, uniE131, uniE132, uniE133, %
3451     uniE134, uniE135, uniE138, uniE139, uniE13A, uniE13C, uniE13D, uniE168, %
3452     B_a_c_k, uniE16E, S_t_r_g, uniE170, A_l_t, uniE171, A_l_t_G_r, uniE172, %
3453     C_t_r_l, uniE173, S_h_i_f_t, uniE174, T_a_b, uniE175, E_n_t_e_r, %
3454     uniE176, C_a_p_s_l_o_c_k, uniE177, F_1, uniE178, F_2, uniE179, F_3, %
3455     uniE17A, F_4, uniE17B, F_5, uniE17C, F_6, uniE17D, F_7, uniE17E, F_8, %
3456     uniE17F, F_9, uniE180, F_1_0, uniE181, F_1_1, uniE182, F_1_2, uniE183, %
3457     F_1_3, uniE184, F_1_4, uniE185, F_1_5, uniE186, F_1_6, uniE187, uniE188, %
3458     H_o_m_e, uniE189, D_e_l, uniE18A, I_n_s, uniE18B, uniE18C, E_n_d, %
3459     uniE18E, G_N_U, uniE190, P_o_s_1, uniE191, E_n_t_f, uniE192, E_i_n_f, %
3460     uniE193, L_e_e_r, uniE194, E_s_c, uniE195, E_n_d_e, uniE196, uniE198, %
3461     uniE199, uniE19A, uniE19B, uniE1A0, uniE1A1, uniE1A2, uniE1A3, uniE1A4, %
3462     uniE1A5, uniE1A6, uniE1A7, uniE1A8, uniE1A9, uniE1AA, uniE1AB, uniE1AC, %
3463     uniE1AD, uniE1AE, uniE1B0, uniE1B1, grave.cap, uniE358, acute.cap, %
3464     uniE359, circumflex.cap, uniE35A, caron.cap, uniE35B, breve.cap, %
3465     uniE35C, hungarumlaut.cap, uniE35D, space_uni030F.cap, uniE35E, %
3466     breveinvertedcmb.cap, uniE35F, breve.cyr, uniE360, breve.cyr, %
3467     uniE361, dieresis.cap, uniE362, hookabovecomb.cap, uniE363, uniFFFD, %
3468     }, %
3469     % Keywords of class 4 : values of keys (in key=value)
3470     morekeywords=[4]{%
3471     }, %
3472     % Keywords of class 5 : arguments specifications (after ":" in expl3
3473     % syntax)

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3474     morekeywords=[5]{%
3475     },%
3476     % Keywords of class 6 : current package name (and possibly derived
3477     % packages)
3478     morekeywords=[6]{%
3479         biolinum },%
3480     % otherkeywords={},
3481     % alsoletter={},
3482     % alsodigit={},%
3483     % alsoother={},%
3484     sensitive,%
3485 }[keywords, tex, comments]%
3486
3487 \lst@definlanguage[biblatex]{TeX}{%
3488     % Control sequences names
3489     moretexcs={%
3490         cite,Cite,parencite,Parencite,footcite,footcitetext,smartcite,%
3491         Smartcite,textcite,Textcite,supercite,cites,Cites,parencites,%
3492         Parencites,footcitesfootcitetexts,textcites,Textcites,supercites,%
3493         autocite,Autocite,autocite*,Autocite*,autocites,Autocites,%
3494         citeauthor,Citeauthor,citetitle,citetitle*,citeyear,citeurl,%
3495         parentext,brackettext,nocite,fullcite,footfullcite,volcite,%
3496         Volcite,pvolcite,Pvolcite,fvolcite,ftvolcite,tvolcite,Tvolcite,%
3497         avolcite,Avolcite,notecite,Notecite,pnotecite,Pnotecite,fnotecite,%
3498         citename,citelist,citefield,printbibliography,bibliography,%
3499         citedate,ExecuteBibliographyOptions,defbibnote,psq,psqq,%
3500         addbibresource,AtNextCite,DeclareNameAlias,%
3501     },%
3502     % Keywords of class 1 : keywords that contain other characters (since
3503     % of the same class as the ones specified as 'otherkeywords')
3504     morekeywords={%
3505     },%
3506     % Keywords of class 2 : environments names
3507     morekeywords=[2]{%
3508     },%
3509     % Keywords of class 3 : mandatory arguments (not environments) &
3510     % optional arguments which are keys (in key=value)
3511     morekeywords=[3]{%
3512         abstract,addendum,afterword,annotation,annotator,author,%
3513         authortype,bookauthor,bookpagination,booksubtitle,booktitle,%
3514         booktitleaddon,chapter,commentator,date,doi,edition,editor,%
3515         editora,editorb,editorc,editortype,editoratype,editorbtype,%
3516         editorctype,eid,eprint,eprintclass,eprinttype,eventdate,%
3517         eventtitle,file,foreword,holder,howpublished,indextitle,%
3518         institution,introduction,isan,isbn,ismn,isrn,issn,issue,%
3519         issuesubtitle,issuetitle,isswc,journalsubtitle,journaltitle,label,%
3520         language,library,location,mainsubtitle,maintitle,maintitleaddon,%
3521         month,nameaddon,note,number,organization,origdate,origlanguage,%
3522         origlocation,origpublisher,origtitle,pages,pagetotal,pagination,%
3523         part,publisher,pubstate,reprinttitle,series,shortauthor,%
3524         shorteditor,shorthand,shorthandintro,shortjournal,shortseries,%
3525         shorttitle,subtitle,title,titleaddon,translator,type,url,urldate,%

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3526 venue, version, volume, volumes, year, crossref, entryset, entrysubtype, %
3527 execute, gender, hyphenation, indexsorttitle, keywords, options, %
3528 presort, sortkey, sortname, sorttitle, sortyear, xref, annote, %
3529 archiveprefix, journal, key, pdf, primaryclass, school, address, %
3530 datamodel, %
3531 %
3532 backend, style, citestyle, bibstyle, sorting, maxnames, minnames, %
3533 maxitems, minitems, backref, abbreviate, firstinits, prenote, postnote, %
3534 useprefix, autopunct, giveninits, labelname, given-family, %
3535 }, %
3536 % Keywords of class 4 : values of keys (in key=value)
3537 morekeywords=[4]{%
3538 submitted, inpress, danish dutch, american, USenglish, english, british, %
3539 UKenglish, canadian, australian, newzealand, finnish, french, francais, %
3540 canadien, german, ngerman, austrian, naustrian, greek, italian, norsk, %
3541 nynorsk, brazil, portuges, spanish, swedish, %
3542 %
3543 biber, numeric, numeric-comp, numeric-verb, alphabetic, alphabetic-verb, %
3544 authoryear, authoryear-comp, authoryear-ibid, authoryear-icomp, %
3545 authortitle, authortitle-comp, authortitle-ibid, authortitle-icomp, %
3546 authortitle-terse, authortitle-tcomp, authortitle-ticomp, verbose, %
3547 verbose-ibid, verbose-note, verbose-inote, verbose-trad1, verbose-trad2, %
3548 %
3549 verbose-trad3, reading, draft, debug, and, inline, footnote, %
3550 superscript, plain, nyt, ynt, none, false, true, %
3551 }, %
3552 % Keywords of class 5 : arguments specifications (after ":" in expl3
3553 % syntax)
3554 morekeywords=[5]{%
3555 }, %
3556 % Keywords of class 6 : current package name (and possibly derived
3557 % packages)
3558 morekeywords=[6]{%
3559 biblatex }, %
3560 % directives
3561 directives={%
3562 article, book, inbook, bookinbook, suppbook, booklet, collection, %
3563 conference, incollection, suppcollection, manual, misc, online, patent, %
3564 periodical, suppperiodical, proceedings, inproceedings, reference, %
3565 inference, report, thesis, unpublished, masterthesis, phdthesis, %
3566 string, comment, %
3567 }, %
3568 % otherkeywords={}, %
3569 alsoletter={-}, %
3570 % alsodigit={}, %
3571 delim=[directive]@, sensitive=false, %
3572 }[keywords, directives, tex, comments]%
3573 \lst@definlanguage[lthooks]{TeX}{%
3574 % Control sequences names
3575 moretexcs={%
3576 AddToHook, BeforeBeginEnvironment, AtBeginEnvironment, AtEndEnvironment

```



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    ,%
3577     AfterEndEnvironment,%
3578 },%
3579 % Keywords of class 1 : keywords that contain other characters (since
3580 % of the same class as the ones specified as 'otherkeywords')
3581 morekeywords={%
3582 },%
3583 % Keywords of class 2 : environments names
3584 morekeywords=[2]{%
3585 },%
3586 % Keywords of class 3 : mandatory arguments (not environments) &
3587 % optional arguments which are keys (in key=value)
3588 morekeywords=[3]{%
3589     % begin,end,
3590     before,after,begindocument,begindocument/before,%
3591     begindocument/end,endedocument,endedocument/afterlastpage,%
3592     endedocument/afteraux,endedocument/info,endedocument/end,env,%
3593 },%
3594 % Keywords of class 4 : values of keys (in key=value)
3595 morekeywords=[4]{%
3596 },%
3597 % Keywords of class 5 : arguments specifications (after ":" in expl3
3598 % syntax)
3599 morekeywords=[5]{%
3600 },%
3601 % Keywords of class 6 : current package name (and possibly derived
3602 % packages)
3603 morekeywords=[6]{%
3604     lthooks },%
3605 % otherkeywords={},%
3606 alsoletter={/},%
3607 % alsodigit={},%
3608 % alsoother={},%
3609 sensitive,%
3610 }[keywords,tex,comments]%
3611
3612 \lst@definlanguage[l3keys2e]{TeX}{%
3613     % Control sequences names
3614     moretexcs={%
3615         ProcessKeysOptions,ProcessKeysPackageOptions,%
3616     },%
3617     % Keywords of class 1 : keywords that contain other characters (since
3618     % of the same class as the ones specified as 'otherkeywords')
3619     morekeywords={%
3620     },%
3621     % Keywords of class 2 : environments names
3622     morekeywords=[2]{%
3623     },%
3624     % Keywords of class 3 : mandatory arguments (not environments) &
3625     % optional arguments which are keys (in key=value)
3626     morekeywords=[3]{%
3627     },%

```

```

3628 % Keywords of class 4 : values of keys (in key=value)
3629 morekeywords=[4]{%
3630 },%
3631 % Keywords of class 5 : arguments specifications (after ":" in expl3
3632 % syntax)
3633 morekeywords=[5]{%
3634 },%
3635 % Keywords of class 6 : current package name (and possibly derived
3636 % packages)
3637 morekeywords=[6]{%
3638   l3keys2e },%
3639 % otherkeywords={},%
3640 alsoletter={23},%
3641 % alsodigit={},%
3642 % alsoother={},%
3643 sensitive,%
3644 }[keywords,tex,comments]%
3645
3646 \lst@definlanguage[varioref]{TeX}{%
3647 % Control sequences names
3648 moretexcs={%
3649   vref,vpageref,%
3650 },%
3651 % Keywords of class 1 : keywords that contain other characters (since
3652 % of the same class as the ones specified as 'otherkeywords')
3653 morekeywords={%
3654 },%
3655 % Keywords of class 2 : environments names
3656 morekeywords=[2]{%
3657 },%
3658 % Keywords of class 3 : mandatory arguments (not environments) &
3659 % optional arguments which are keys (in key=value)
3660 morekeywords=[3]{%
3661 },%
3662 % Keywords of class 4 : values of keys (in key=value)
3663 morekeywords=[4]{%
3664 },%
3665 % Keywords of class 5 : arguments specifications (after ":" in expl3
3666 % syntax)
3667 morekeywords=[5]{%
3668 },%
3669 % Keywords of class 6 : current package name (and possibly derived
3670 % packages)
3671 morekeywords=[6]{%
3672   varioref },%
3673 % otherkeywords={},%
3674 % alsoletter={},%
3675 % alsodigit={},%
3676 % alsoother={},%
3677 sensitive,%
3678 }[keywords,tex,comments]%
3679

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3680 \lst@definlanguage[hologo]{TeX}{%
3681   % Control sequences names
3682   moretexcs={%
3683     hologo },%
3684   % Keywords of class 1 : keywords that contain other characters (since
3685   % of the same class as the ones specified as 'otherkeywords')
3686   morekeywords={%
3687     },%
3688   % Keywords of class 2 : environments names
3689   morekeywords=[2]{%
3690     },%
3691   % Keywords of class 3 : mandatory arguments (not environments) &
3692   % optional arguments which are keys (in key=value)
3693   morekeywords=[3]{%
3694     },%
3695   % Keywords of class 4 : values of keys (in key=value)
3696   morekeywords=[4]{%
3697     },%
3698   % Keywords of class 5 : arguments specifications (after ":" in expl3
3699   % syntax)
3700   morekeywords=[5]{%
3701     },%
3702   % Keywords of class 6 : current package name (and possibly derived
3703   % packages)
3704   morekeywords=[6]{%
3705     hologo%
3706     },%
3707   % otherkeywords={},
3708   % alsoletter={},
3709   % alsodigit={},%
3710   % alsoother={},%
3711   sensitive,%
3712 }[keywords,tex,comments]%
3713
3714 \lst@definlanguage[acro]{TeX}{%
3715   % Control sequences names
3716   moretexcs={%
3717     Ac,Aca,Acap,Acf,Acfp,Acl,Aclp,Acp,AcroAcronymsMap,AcroAddRow,%
3718     AcroMapBreak,AcroNeedPackage,AcroPropertiesMap,AcroPropertiesSet,%
3719     AcroRerun,AcroStyle,AcroTemplateName,AcroTemplateType,AcronymID,%
3720     AcronymTable,Acs,Acsp,BeginAccSupp,Dacs,DeclareAcroArticle,%
3721     DeclareAcroEnding,DeclareAcroPreset,DeclareAcroProperty,%
3722     DeclareAcroPropertyAlias,DeclareAcroTranslation,DeclareAcronym,Iac,%
3723     Iaca,Iacf,Iacl,Iacs,MakeAcroPropertyAlias,NewAcroCommand,%
3724     NewAcroPreset,NewAcroTemplate,RenewAcroCommand,RenewAcroPreset,%
3725     RenewAcroTemplate,SetupAcroTemplate,SetupNextAcroTemplate,%
3726     UseAcroTemplate,abbrdot,ac,aca,acap,acbarrier,acdot,acf,acfg,%
3727     acflike,acfootnote,acfp,acg,aciftrailing,acl,aclg,aclp,acp,%
3728     acreset,acresetall,acrocite,acrodefinite,acrodonotuse,acrodotfill,%
3729     acroendfootnote,acroformat,acrofull,acrogroupcite,acroheading,%
3730     acroifT,acroifTF,acroifallTF,acroifanyT,acroifanyTF,%
3731     acroifbooleanTF,acroifchapterF add,acroifchapterTF,acroiffirstT,%

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3732     acroiffirstTF addchap,acroifpagesTF,acroifsingleTF,acroifstarredTF,%
3733     acroiftagTF,acroifusedTF,acroindefinite,acrolistname,acroneedpages,%
3734     acronopagerange,acronymsmap,acronymsmapF,acronymsmapTF,acropagefill,%
3735     %
3736     acropages,acroplural,acropossessive,acropreamble,acroshow,%
3737     acrotranslate,acroupper,acrowrite,acs,acsetup,acsp,acspace,%
3738     acswitchoff,acswitchon,acuse,dacs,declareAcronym,iac,iaca,iacf,%
3739     iacl,iacs,iacsg,printacronyms,%
3740     %
3741     acro_locale,acro_if_foreign,acro_if_locale,__acro_foreign_language,%
3742     acro_property_get,acro_property_if_set,acro_property_get,%
3743     },%
3744     % Keywords of class 1 : keywords that contain other characters (since
3745     % of the same class as the ones specified as 'otherkeywords')
3746     morekeywords={%
3747     },%
3748     % Keywords of class 2 : environments names
3749     morekeywords=[2]{%
3750     },%
3751     % Keywords of class 3 : mandatory arguments (not environments) &
3752     % optional arguments which are keys (in key=value)
3753     morekeywords=[3]{%
3754     activate,addsec,addsec*,all,alt,alt,alt-acc,alt-format,%
3755     alt-indefinite,alt-plural,alt-plural-form,barriers,before-citation,%
3756     caption,%
3757     case-insensitive,%case-sensitive,%chapter,chapter*,cite,clear,cmd,%
3758     deactivate,define,description,disable,display,exclude,extra,%
3759     extra-acc,extra-foreign,extra-format,extra-long,fill,first,%
3760     first-long,first-long-format,first-style,first-style ,floats,%
3761     footnote,foreign,foreign,foreign-acc,foreign-babel,foreign-format ,%
3762     foreign-locale,foreign-plural,foreign-plural-form,format,format,%
3763     group,heading,id,include,index,index,index-cmd,index-sort,%
3764     language,link-only-first,list,list,list-acc,list-format,%
3765     list/display,lists,load-style,local,locale,lof,long,long,%
3766     long-acc,long-format,long-indefinite,long-plural,long-plural-ending,%
3767     %
3768     long-plural-form,long-post,long-short,longtable,longtabu,lppl,%
3769     ltxtable,make-links,maketitle,method,name,no-index,none,options,%
3770     pages,pdf,pdf,pdfcomment,pdfcomment/cmd,pdfcomment/use,pdfstring,%
3771     post,pre,preamble,preset,replace,reset,section,section*,short,%
3772     short,short,short-acc,short-format,short-indefinite,short-long,%
3773     short-plural,short-plural-ending,short-plural-form ,show,single,%
3774     single,single,single-acc threshold,single-format
3775     title,single-style,%
3776     single-style,sort,sort,subsequent-style,subsequent-style,%
3777     supertabular,tabular,tabularx>tag,upgrade,use,use-id-as-short,%
3778     uselist,version,%
3779     },%
3780     % Keywords of class 4 : values of keys (in key=value)
3781     morekeywords=[4]{%
3782     },%
3783     % Keywords of class 5 : arguments specifications (after ":" in expl3

```

[illegible]

```

3834 % tcolorbox
3835 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3836 \lst@definlanguage[tcolorbox]{TeX}%
3837 {%
3838   % Control sequences names
3839   moretexcs={%
3840     tcbuselibrary,newtcbtheorem,tcbset%
3841   },%
3842   % Keywords of class 1 : keywords that contain other characters (since
3843   % of the same class as the ones specified as 'otherkeywords')
3844   morekeywords={%
3845     %
3846   },%
3847   % Keywords of class 2 : environments names
3848   morekeywords=[2]{%
3849     absquote,boxarraystore,dispExample,dispExample*,dispListing,%
3850     dispListing*,docCommand,docCommand*,docCommands,docEnvironment,%
3851     docEnvironment*,docEnvironments,docKey,docKey*,docKeys,%
3852     docPathOperation,docPathOperation*,docPathOperations,extcolorbox,%
3853     extikzpicture,fooauxenv,foocolorbox,foocolorbox*,posterboxenv,%
3854     tcbclipframe,tcbclipinterior,tcbcliptitle,tcbexternal,%
3855     tcbinvclipframe,tcbitemize,tcblisting,tcboutputlisting,%
3856     tcbboxeditemize,tcbboxedrastrer,tcbposter,tcbrastrer,tcbverbatimwrite,%
3857     tcbwritetemp,tcolorbox,%
3858   },%
3859   % Keywords of class 3 : mandatory arguments (not environments) &
3860   % optional arguments which are keys (in key=value)
3861   morekeywords=[3]{%
3862     Crefname,IfBooleanF,IfBooleanT,IfBooleanTF,IfNoValueF,IfNoValueT,%
3863     IfNoValueTF,IfValueF,IfValueT,IfValueTF,PassOptionsToClass,%
3864     PassOptionsToPackage,above*,above,actual,adapt,add,adjust,%
3865     adjusted,after,alert,alerted,algorithm,align*,align,all,ams,%
3866     and,angular,annotate,app,arara,arc,array,as,at,attach,auto,%
3867     autoparskip,balanced,base,basedim,baseline,beamer,bean,before,%
3868     beforeafter,% begin,
3869     below,between,biber,bibtex,bicolor,blank,%
3870     blanker,blankest,blend,body,bold,bookmark*,bookmark,borderline,%
3871     both,bottom*,bottom,bottomrule,bottomsep,bottomtitle,bounding,%
3872     box,boxed,boxes,boxrule,boxsep,break*,break,breakable,broken,%
3873     by,caption,capture,center,check,circular,clear,clip,code,%
3874     colback,colbacklower,colbacktitle,colframe,collower,colon,color,%
3875     colorize,colors,colspacing,coltext,coltitle,column*,column,%
3876     columns,colupper,command,comment,compilable,compiler,compress,%
3877     content,corner,corners,counter*,counter,counters,coverage,%
3878     crefname,current,curved,dash,default,definition,delimiters,%
3879     description,detach,directory,do,doc,docexample,documentation,%
3880     downwards,draft,draftmode,draw,drop,dvips,east,empty,% end,
3881     %
3882     enforce,engine,english,enhanced,enlarge,enlargement,enlargepage,%
3883     entry,environment,environments,equal,equation*,equation,error,%
3884     even,every,example!,example,extend,extension,external,%
3885     externalize,extras,extrude,fade,fading,file,fill,filled,finally,%

```

```

3886 finish, first, fit, fitting, fixed, flexible, flip, float*, float, %
3887 floatplacement, flush, flushleft, flushright, font, fontlower, fontsize, %
3888 fonttitle, fontupper, for, force, format, formatter, frame, freelance, %
3889 freelancefirst, freelancelast, freelancemiddle, freestyle, freeze, from, %
3890 full, fuzzy, gap, gather*, gather, geometry, german, goal, graphical, %
3891 graphics, group, grow, halign, halo, hanging, hbox, head, height, %
3892 hidden, hide, higher, highlight, hooks, horizontal, hyperlink, hyperref, %
3893 hypertarget, hyperurl*, hyperurl, hyphenationfix, if, ignore, image, in, %
3894 indent, index*, index, inherit, initially, input, inputencoding, inside, %
3895 interior, into, invisible, inwards, is, jigsaw, jpg, key, keypath, keys, %
3896 keywords, label, language, large, last, latex, layer, layers, left*, %
3897 left, lefthand, leftlower, leftright, leftrule, lefttitle, leftupper, %
3898 length, lengths, level, lifted, limit, line*, line, lines, list, %
3899 listing!, listing, listings, listingsutf, lower*, lower, lowerbox, %
3900 lowered, lualatex, m, macros, magazine, makeindex, many, marginnote, %
3901 marker, math, maxfontdiff, maxfontdiffgap, maxstep, maxwidthdiff, %
3902 maxwidthdiffgap, method, midday, middle, minimum, minipage, minted, %
3903 most, move, multicolumn, multirow, n, name, nameref, natural, new, %
3904 nirvana, no, nobeforeafter, nobreak, node, nodes, nodisplayskip, %
3905 nofloat, none, noparskip, nophantom, north, northeast, northwest, not, %
3906 notitle, number, octagon, odd, of, offset, on, oneside*, oneside, only, %
3907 opacity, opacityback, opacitybacklower, opacitybacktitle, opacityfill, %
3908 opacityframe, opacitylower, opacitytext, opacitytitle, opacityupper, %
3909 option, options, or, orientation, out, outer, outside, outwards, over, %
3910 overlay, overlays, oversize, overzoom, pad, page*, page, pages, %
3911 pageshort, parameter, parbox, parenthesis, parfillskip, parskip, path, %
3912 paths, pdf, pdflatex, percent, phantom, phantomlabel, placeholder, %
3913 plain, plus, png, poster, pre, preamble, preclass, prefix, process, %
3914 pspdf, quote, raise, raised, raster, ratio, record, recording, remake, %
3915 remember, remove, reset, restore, right*, right, righthand, rightlower, %
3916 rightrule, righttitle, rightupper, rotate, rounded, row, rows, %
3917 rowspacing, rowspan, run, runner, runs, safety, savedelimiter, %
3918 savelowerto, saveto, scale, scope, segmentation, semi, separated, %
3919 separator, sequence, settings, shade, shading, shadow, sharp, sharpish, %
3920 shield, show, showframe, shrink, side, sidebyside, sideways, sign, %
3921 size, skin, skins, skip, small, smart, sort, source, south, southeast, %
3922 southwest, space, spacing, span, spartan, split, spread, square, %
3923 squeezed, stack, standard, step, store, stretch, style, subskin, %
3924 subtitle, supplement, switch, system, tabulars*, tabulars, tabularx*, %
3925 tabularx, tcbimage, tcbox, preamble tcbset, tempfile, terminator, text, %
3926 theorem, theorems, tight, tikz, tikznode, tile, title*, title, titlebox, %
3927 titled, titlerule, to, toggle, top*, top, toprule, topsep, toptitle, %
3928 type, unbreakable, unbroken, underlay, updated, upper*, upper, upperbox, %
3929 upwards*, upwards, use, utf, valign, value, values, varwidth, verbatim, %
3930 vertical, vfill, vignette, visible, void, warning, watermark, west, %
3931 widget, width, with, within, xelatex, xmax, xmin, xparse, xshift, ymax, %
3932 ymin, yshift*, yshift, yshifttext, zoom, %
3933 }, %
3934 % Keywords of class 4 : values of keys (in key=value)
3935 morekeywords=[4]{%
3936 all, and, apart, areastyle*, areastyle, as-is, auto, base, baselineskip, %
3937 beamer, beamerfirst, beamerlast, beamermiddle, bicolor, bicolorfirst, %

```

```

3938 bicolorlast,bicolormiddle,both,bottom,break,broken,center,change,%
3939 clipped,colon,copy,dash,direct,doc,downhill,draft,east,empty,%
3940 emptyfirst,emptylast,emptymiddle,enhanced,enhancedfirst,%
3941 enhancedlast,enhancedmiddle,evenpage,false,fbox,figures,final,%
3942 first,fitbox,flush,fontsize*,fontsize,forced,freelance,%
3943 freelancefirst,freelancelast,freelancemiddle,hang,hbox,hybrid*,%
3944 hybrid,ignored,invisible,jigsaw,justify,landscape*,landscape,%
3945 last,left,limited,listings,margin,maximum,middle,minimal,%
3946 minimum,minipage,minted,none,normal,north,northeast,northwest,%
3947 off,on,path,pathfirst,pathfirstjigsaw,pathjigsaw,pathlast,%
3948 pathlastjigsaw,pathmiddle,pathmiddlejigsaw,pgf,pgfchapter,%
3949 pgfsection,plain,portrait*,portrait,right,rows,scale*,scale,%
3950 seam,small,south,southeast,southwest,spartan,squeeze,standard,%
3951 tables,tight,tile,tilefirst,tilelast,tilemiddle,title,top,true,%
3952 unbroken,unlimited,uphill,visible,west,widget,widgetfirst,%
3953 widgetlast,widgetmiddle,red,black,white,none,%
3954 },%
3955 % Keywords of class 5 : arguments specifications (after ":" in expl3
3956 % syntax)
3957 morekeywords=[5]{%
3958 },%
3959 % Keywords of class 6 : current package name (and possibly derived
3960 % packages)
3961 morekeywords=[6]{%
3962 tcolorbox%
3963 },%
3964 % otherkeywords={},%
3965 alsoletter={ \ },%
3966 % alsodigit={},%
3967 % alsoother={},%
3968 sensitive,%
3969 }[keywords,tex,comments]%
3970
3971 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3972 % Classes (La)TeX
3973 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3974 \lst@definlanguage[classes]{TeX}{%
3975 % Control sequences
3976 moretexcs={%
3977 },%
3978 % Keywords of class 1 : keywords that contain other characters
3979 % (since of the same class as the ones specified as
3980 % 'otherkeywords')
3981 morekeywords={%
3982 %
3983 },%
3984 % Keywords of class 2 : environments names
3985 morekeywords=[2]{%
3986 },%
3987 % Keywords of class 3 : mandatory arguments (not environments)
3988 % & optional arguments which are keys (in key=value)
3989 morekeywords=[3]{%

```



```

3990     },%
3991     % Keywords of class 4 : values of keys (in key=value)
3992     morekeywords=[4]{%
3993     },%
3994     % Keywords of class 5 : arguments specifications (after ":"
3995     % in expl3 syntax)
3996     morekeywords=[5]{%
3997     },%
3998     % Keywords of class 6 : current package name (and possibly
3999     % derived packages)
4000     morekeywords=[6]{%
4001         a0poster,aalok,aastex631,abntex2,achemso,acmart,acmconf,
4002         active-conf,adfathesis,afparticle,afthesis,aguplus,aiaa-tc,
4003         akklecture,akkscript,akktecdoc,akletter,myletter,ametsoc,
4004         amsart,amsbook,amsdtx,amslatex,amsproc,aomart,apa,apa6,
4005         apa6e,apa7,arabart,arabbook,arabrep,arabrep1,articleingud,
4006         asaetr,ascelike,asmeconf,asmejour,assignment,aucklandthesis,
4007         bangorcsthesis,bangorexam,barticle,bbook,bletter,
4008         bankstatement,article,book,letter,ltnews,ltxdoc,ltxguide,
4009         minimal,proc,report,slides,source2edoc,basque-book,beamer,
4010         beamerswitch,beaulivre,beilstein,argetabelle,bewerbung,
4011         bgteubner,BHCexam,bitart,bitbook,bjfuthesis,BMSTU-IU8,
4012         bookcover,bookest,bookshelf,br-lex,brandeis-dissertation,
4013         brandeis-problemset,brandeis-thesis,buctcover,buctthesis,
4014         bxjsarticle,bxjsbook,bxjsreport,bxjsslide,cascadilla,cd,
4015         cd-cover,articoletteracdp,letteracdp,cesenaexam,cheatsheet,
4016         chemmacros-manual,chletter,cje,cnbwp,cnltx-doc,codedoc,
4017         colorart,colorbook,combine,cc,ConcProg,confproc,contracard,
4018         courseoutline,coursepaper,cquthesis,csbulletin,csbulobalka,
4019         csbulv1,ctexart,ctexbeamer,ctexbook,ctexrep,ctxdoc,curve,
4020         cv4tw,cweb,idcc,ijdc-v14,ijdc-v9,dinbrief,disser,gost732,
4021         dithesis,droit-fr,dtk,dvdcoll,easybook,ebsthesis,agecon,
4022         ajae,apecon,ecca,erae,itaxpf,jrurstud,njf,oegatb,pocoec,
4023         regstud,worlddev,ecv,einfart,ejpecp,elbioimp,elegantbook,
4024         elegantnote,elegantpaper,elpres,cas-dc,cas-sc,elsarticle,
4025         elteikthesis,emisa,emulateapj,erdc,eskd,eskdgraph,eskdtab,
4026         eskdtext,estcpmm,europasscv,europecv,exam,exam-n,examdesign,
4027         exesheet,extarticle,extbook,extletter,extproc,extreport,
4028         facsimile,factura,fancyhandout,fancyslides,fbithesis,fcavtex,
4029         fdudoc,fduthesis-en,fduthesis,fei,ffslides,fithesis,
4030         fithesis2,fithesis3,fithesis4,flacards,flashcards,frletter,
4031         g-brief,g-brief2,gaceta,gammas,gatech-thesis,gmdocc,
4032         gradstudentresume,grant-afosr,grant-aro,grant-darpa,grant-doe,
4033         grant-nih,grant-nrl,grant-nsf,grant-onr,grant,graphpaper,
4034         gridslides,gsemthesis,guitartabs,gzt,gztarticle,h2020proposal,
4035         hgbarticle,hgbreport,hgbthesis,harnon-cv,hausarbeit-jura,
4036         hcart,hcletter,hcreport,hcslides,hecthesse,hepthesis,hitec,
4037         hithesis,hitreport,hitszthesis,hletter,hpsdiss,fsbispit,
4038         huawei,hustthesis,icsv,IEEEconf,IEEEtran,ijmart,ijsra,
4039         image-gallery,IMTEKda,inkpaper,invoice-class,iোধbwm,iscram,
4040         isov2,isodoc,iwhdp,jacow,jlreq,jmlr,jmlrbook,jnuexam,jpsj2,
4041         jura,jurabook,juraovw,juraurtl,kdgcoursetext,kdgmastherthesis,

```

kdpcover, kerntest, kluwer, knittingpattern, scrartcl, scrarticle,  
 scrbook, scrdoc, scrletter, scrletter2, screport, screprt, komacv,  
 oblivoir-utf, oblivoir-xl, oblivoir, xoblivoir, ksp-thesis, l3doc,  
 labbook, leadsheet, leaflet, lebhart, lectures, letgut, lettre, limap,  
 limecv, lion-msc, lni, lps, lt3graph-packagedoc, ltxdockit,  
 ltxguidex, abstbook, beletter, flashcard, iagproc, cours, fiche,  
 matapli, matc3mem, mcmthesis, ltxmdf, medstarbeamer, meetingmins,  
 memoir, mensa-tex, mentis, metanorma, milog, minimart, minimbook,  
 mla, mluexercise, mnras, moderncv, modernposter, msu-thesis,  
 mucproc, mugstheiss, muling, musuos, muthesis, third-rep, mwart,  
 mwbk, mwrep, mycv, nature, ncc, nccproc, sibjnm, nddiss2e,  
 ndsu-thesis, newlfm, nih, nihbiosketch, njurepo, nlctdoc, nostarch,  
 nrc1, nrc2, artikel1, artikel2, artikel3, boek, boek3, brief,  
 rapport1, rapport3, nwejm, nwejmart, octavo, onrannual,  
 oup-authoring-template, journal, paper, papertex, pbsheet, pecha,  
 petiteannonce, philosophersimprint, pittetd, pkuthss, plari, play,  
 postcards, powerdot, FUpowerdot, ppr-prv, pracjourn, pressrelease,  
 proposal, reporting, dfgproposal, dfgreporting, euproposal,  
 eureporting, prosper, protocol, prtec, upmgr, wkmgr, pst-doc,  
 ptpetex, qcm, quantumarticle, qyxf-book, ReadableCV, recipe,  
 RecipeBook, recipecard, refart, refrep, resphilosophica, revtex4-2,  
 revtex4, revtex4-1, rtklage, ryersonSGSThesis, ryethesis, sageep,  
 sapthesis, schuleab, schulein, schuleit, schulekl, schuleub,  
 schuleue, schullsg, schullzk, schulma-ab, schulma-gutachten,  
 schulma-klausur, schulma-komp, schulma-mdlprf, schulma-praes,  
 schwalbe, sciposter, screenplay, scrjrn1, sdapsclassic, sduthesis,  
 seminar, semproc, sesamanuel, seuthesix, sffms, cassette, etiketka,  
 shththesis, caesar\_book, sides, simplecv, simplivre, skbarticle,  
 skbbeamer, skbbbook, skblncsbeamer, skblncsppt, skbmoderncv, skdoc,  
 skeyval-testclass, skrapport, smfart, smfbook, SPhdThesis, spie,  
 sr-vor1, sslides, stage, standalone, uthesis, hwexam, mikoslides,  
 omdoc, smglom, subfiles, suftesi, sugconf, tabriz-thesis, talk,  
 tcldoc, tcldoc, powersem, thesis-ekf, thesis-gwu, thuthesis,  
 tikz-kalender, tikzposter, tlc-article, TOPletter, toptesi,  
 tudabeamer, tudaexercise, tudaleaflet, tudaletter, tudaposter,  
 tudapub, tudasciposter, tudscrartcl, tudscrbook, tudscrdoc,  
 tudscrmanual, tudscrposter, tudscrreprt, tufte-book, tufte-handout,  
 ltugboat, ltugproc, tui, turabian, turabian-researchpaper,  
 turabian-thesis, my-thesis, ua-thesis, uafthesis,  
 uantwerpenbamathesis, uantwerpenpencoursetext, uantwerpenexam,  
 uantwerpenletter, uantwerpenphdthesis, uantwerpenreport,  
 ucalgmthesis, ucbthesis, ucdavisthesis, ucsmonograph, uthesis,  
 udesoftec, uebungsblatt, uestctthesis, uhhassignment, uiucborder,  
 uiucthesis, ulthese, legislation, umich-thesis, umthesis,  
 unam-thesis, unifith, unitn-bimrep, univie-ling-expose,  
 univie-ling-paper, univie-ling-thesis, univie-ling-wlg,  
 unizgklasa, uothesis, UoWthesis, upmethodology-document, URbeamer,  
 URletter, uspatent, ut-thesis, utexasthesis, uwmslide, uwthesis,  
 verifica, webquiz, willowtreebook, withargs-packagedoc,  
 wsemclassic, xduthesis, xebaposter, xmuthesis, xsim-manual,  
 yaletter, yathesis, ycbook, ydoc, york-thesis,  
 }, %



```
4094 % otherkeywords={},%
4095 alsoletter={0123456789-},%
4096 % alsodigit={},%
4097 sensitive%
4098 }[keywords,tex,comments]%
```

Bromillon



Association GUTenberg  
15 rue des Halles – BP 74  
75001 Paris  
France

secretariat[at]gutenberg-asso[dot]fr

Site Internet : <https://www.gutenberg-asso.fr/>

Cahiers : <http://www.numdam.org/journals/CG/>

Problèmes techniques :

la liste gut : <https://www.gutenberg-asso.fr/~Listes-de-diffusion->

le site T<sub>E</sub>Xnique de questions et réponses : <https://texnique.fr/>

la foire aux questions : <https://faq.gutenberg-asso.fr/>

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- Les adhésions sont à renouveler en début d'année pour l'année civile.
- Les administrations peuvent joindre un bon de commande revêtu de la signature de la personne responsable ; les étudiants doivent joindre un justificatif.

### Tarifs 2024

Les membres de GUTenberg peuvent adhérer à l'association internationale, le rug, et recevoir son bulletin *TUGboat* à un tarif préférentiel :

tarif normal : 65 € (au lieu de 85 \$)

tarif étudiant : 40 € (au lieu de 55 \$)

Type d'adhésion	Prix
Membre individuel	30 €
Membre individuel + adhésion rug	95 €
Membre individuel étudiant/demandeur d'emploi	15 €
Membre individuel étudiant + adhésion rug	55 €
Association d'étudiants	65 €
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