La LETTRE GUTenberg

Support for the newsletter "La Lettre GUTenberg"

Association GUTenberg

29 février 2024

Avez-vous pensé à régler votre cotisation ?

Si vous avez oublié, ce n'est ni trop tard ni difficile :
https://www.gutenberg-asso.fr/?Adherer-en-ligne

GUTenberg

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.eu.org
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) 1994-2023 by Association GUTenberg
15  %                  <secretariat@gutenberg.eu.org>
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 LaTeX 2_ε, so we make sure that an appropriate message is displayed when another TeX 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_tl { \emph{ Lettre } }
3   \tl_const:Nn \c__letgut_Lettres_tl {
4     \c__letgut_Lettre_tl \emph{ s }
5   }
6   \tl_const:Nn \c__letgut_gutenberg_tl { GUTenberg }
7   \tl_const:Nn \c__letgut_association_tl { association }
8   \tl_const:Nn \c__letgut_Lettre_gutenberg_tl {
9     \c__letgut_Lettre_tl~\c_space_tl \c__letgut_gutenberg_tl
10  }
```

```
11   \tl_const:Nn \c__letgut_la_lettre_gutenberg_tl {
12     la~ \c__letgut_Lettre_gutenberg_tl
13   }
14   \tl_const:Nn \c__letgut_La_lettre_gutenberg_tl {
15     \text_titlecase_first:n \c__letgut_la_lettre_gutenberg_tl
16   }
17   \ExplSyntaxOff
```

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

```
1   \ProvidesExplClass{letgut}
2   {2024-02-29}
3   {0.9.8}
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

Booleans

— For testing the emptyness 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 {
        pre-documentclass }
30  \tl_const:Nn \c__letgut_lstlanguage_file_tl { letgut-lstlang.sty }
31  \tl_const:Nn \c__letgut_contents_name_tl { Sommaire }
32  \tl_const:Nn \c__letgut_draftwatermark_text_tl {
33   \textnormal{Brouillon}
34  }
35  \tl_const:Nn \c__letgut_membership_reminder_tl {
36    {\LARGE
37      \bfseries
38      Avez-vous~ pensé~ à~ régler~ votre~ cotisation~ ?
39      % \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
```

```
 1    }{
 2      \int_gset:Nn \g__letgut_date_year_int {#1}
 3    }{
 4      \int_gset:Nn \g__letgut_date_year_int {\the\year}
 5    }
 6    \__letgut_if_is_int:nTF {#2}
 7    {
 8      \int_compare:nTF
 9      {
10        1 <= #2 <= 12
 1        }
 2        {\int_gset:Nn \g__letgut_date_month_int {#2}}
 3        {\int_gset:Nn \g__letgut_date_month_int {\the\month}}
 4      }{
 5        \int_gset:Nn \g__letgut_date_month_int  {\the\month}
 6      }
 7      \tl_gset:Nn \g__letgut_date_month_tl {
 8        \__letgut_month_name:n { \g__letgut_date_month_int }
 9      }
10      \tl_gset:Nn \g__letgut_date_tl {
11        \tl_use:N \g__letgut_date_month_tl
12        \c_space_tl
13        \int_use:N \g__letgut_date_year_int
14      }
15    }
```

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 by 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 LaTeX 2ε.

```
 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 LaTeX.

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 TeX-family logos (which loads and extends hologo which is collection of logos with bookmark support).

1   `\RequirePackage{bxtexlogo}`

— Coloured boxes, for LaTeX examples and theorems, etc.

1   `\RequirePackage{tcolorbox}`

— Compile TeX 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 TeX or LaTeX.

```
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 LaTeX.

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

— Modifying the layout of floats.

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

— Sophisticated Bibliographies in LaTeX.

```
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 begining 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 distiguish 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} { O{} } {
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 {
       \seq_gput_right:Nn \g__letgut_included_files_seq {#1}}
```

```
9        }
10      }
```

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 typset 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 begining 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 {./
       \c__letgut_acronyms_file_tl}
3  }{
4    \file_if_exist:nTF {../\c__letgut_acronyms_file_tl}{
5      \tl_gset:Nn \g__letgut_effective_acronyms_file_tl {../
         \c__letgut_acronyms_file_tl}
6    }{
7      \file_if_exist:nT {\c__letgut_acronyms_file_tl}{
8        \tl_gset:Nn \g__letgut_effective_acronyms_file_tl {
         \c__letgut_acronyms_file_tl}
9      }
10   }
11 }
12 \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://gith ub.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.c om/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 watermak is rotated in order to be parallely 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,
— allcolorslinks 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,
— infomations depending on the GUTenberg informations are wanted or not,
— detailedtoc depending on the automatic ToC is wanted maximally (until subparagraphs) detailed or not.

```
1     \DeclareKeys[ 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     , allcolorslinks .code:n = {
39       \colorlet{letgut_allcolors_links}{#1}}
40     , allcolorslinks .initial:V
41       = \c__letgut_default_allcolors_links_color_tl
42     , membership-reminder .bool_gset:N
43       = \g__letgut_membership_reminder_bool
44     , membership-reminder  .initial:n = { true }
45     , editorial .bool_gset:N = \g__letgut_editorial_bool
46     , editorial .initial:n = { true }
47     , informations .bool_gset:N = \g__letgut_informations_bool
48     , informations .initial:n = { true }
49     , detailedtoc .str_gset:N = \g__letgut_detailedtoc_level_str
50     , detailedtoc .default:n = 5
51     , detailedtoc .initial:n = 0
52     , reverse-files-attachement .code:n = {
53       \AddToHook{begindocument/before}{
54         \bool_lazy_and:nnTF {\g__letgut_for_readers_bool} {!
         \g__letgut_paper_bool}
55         {
56           \bool_gset_false:N \g__letgut_included_files_attached_bool
57         }{
```

```
58        \bool_gset_true:N \g__letgut_included_files_attached_bool
59      }
60    }
61  }
62 }
63 \ProcessKeyOptions[ letgut ]
64 \AddToHook{begindocument/before}{
65   \bool_lazy_and:nnTF {\g__letgut_for_readers_bool} {!
        \g__letgut_paper_bool}
66   {
67     \bool_gset_true:N \g__letgut_included_files_attached_bool
68   }{
69     \bool_gset_false:N \g__letgut_included_files_attached_bool
70   }
71 }
```

```
1 \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[RO,LE]{\thepage}
3 \fancyhead[RE,LO]{\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={|
1           >{\bfseries}X|
2         },
3         vlines,
4         hlines,
5         rowsep=2.5mm,
6         colsep=2.5mm
7       }
8       #2
9     \end{tblr}
10    \skip_vertical:N \c_zero_dim
11  }
```

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}{ O{} 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 {
           \l__letgut_toc_title_announce_tl}{#2}},
38      overlay~ unbroken~ and~ first ={
39        \node[color=\l__letgut_toc_color_announce_tl]~ at~ ([yshift=8pt]
           title.south)
40        {\pgfornament[width=0.4\linewidth]{88}};
41        \node[color=white,anchor=north~ west]~ at~ (frame.north~ west)
42        {\huge\bfseries\aldineright{}};
43      },
44      #1,
45      coltitle=\l__letgut_toc_color_announce_tl,
46    }
```

Rebus

```
1     \NewDocumentCommand{\solution}{}{\tcblower}
2     \NewDocumentCommand{\displaysolutions}{}{%
3       \tcbstoprecording\tcbinputrecords%
4     }
5     \tcbset{%
6       rebus~ style/.style={%
7         enhanced,
8         boxrule=0pt,
9         frame~hidden,
10        fonttitle=\normalfont\large\bfseries,
11        before~ title={\lefthand\c_space_tl},
12        halign=center,
13        title~ addon/.store~ in=\l__letgut_title_addon_tl,
14        after~ title={
15          \tl_if_empty:NF {\l__letgut_title_addon_tl}{
16            \c_space_tl(\emph{\l__letgut_title_addon_tl})
17          }
18        },
19        float = bh,
20        colback = __letgut_background_terminal_stdout,
21        colbacktitle = __letgut_background_terminal_stdin,
22        coltitle = black
23      }
24    }
25    \tcbset{
26      no~ solution/.style={
27        no~ recording,
```

```
28        after~ upper=dans~ la~ prochaine~ \lettre{},
29        after~ upper~ pre={
30          \par\bigskip\hfill\scriptsize\itshape
31          Solution\c_space_tl
32        },
33      }
34    }
35    \NewTColorBox[auto~ counter]{rebus}{+!O{}}{%
36      rebus~ style,
37      fonttitle=\bfseries,
38      title={Rébus},
39      label={rebus@\thetcbcounter},
40      after~ upper={\vpageref[ci-dessous]{solution@\thetcbcounter}},
41      after~ upper~ pre={
42        \par\bigskip\hfill\scriptsize\itshape
43        Solution\c_space_tl
44      },
45      lowerbox=ignored,
46      savelowerto=rebus-\thetcbcounter.tex,
47      record={\string\rebussolution*[\thetcbcounter][][]},
48      #1
49    }
50    \NewDocumentCommand{\rebussolution}{s +o o O{}}{%
51      \IfValueTF{#2}{
52        \begin{tcolorbox}[
53          rebus~ style,
54          halign=justify,
55          before~ title={\lefthand{}~Solution~ du~ rébus\c_space_tl},
56          title={
57            \IfBooleanTF{#1}{
58              \vpageref[ci-dessus]{rebus@#2}
59            }{
60              de~la~\lettre{}\c_space_tl
61              \IfValueTF{#3}{
62                #3
63              }{
64                précédente
65              }
66            }
67          },
68          phantomlabel={
69            \IfBooleanT{#1}{
70              solution@#2
71            }
72          },
73          #4
74        ]
75        \IfBooleanTF{#1}{
76          \file_if_exist_input:n {rebus-#2.tex}
77        }{
78          #2
79        }
```

```
80      \end{tcolorbox}
81    }{
82      \IfValueF{#3}{
83        \tcbstoprecording
84        \tcbinputrecords
85      }
86    }
87  }
```

"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:nNnT
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      \textit{\c__letgut_La_lettre_gutenberg_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 is 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          \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[pagecolor={\g__letgut_pagecolor_clist}]{
3      letgut-banner
4    }
5  }
```

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.

```latex
\dim_const:Nn \c__letgut_first_page_shrink_dim {
  \c__letgut_banner_thickness_dim
  +
  \c__letgut_tmargin_dim
  +
  \c__letgut_textheight_dim
  -
  .5\paperheight
  -
  .5\c__letgut_banner_height_dim
}
\enlargethispage{
  - \c__letgut_first_page_shrink_dim
}
\enlargethispage{
  - \baselineskip
}
```

— 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.

```latex
\str_if_empty:NTF \g__letgut_@title_str {
  \bool_gset_true:N \g__letgut_title_empty_bool
  \begin{flushright}
    \Huge
    \text_titlecase_first:n { \g__letgut_title_tl }
  \end{flushright}
  \hypersetup{
    pdftitle={
      \c__letgut_Lettre_gutenberg_tl
      \int_compare:nNnT
      \g__letgut_number_int
      > \c_zero_int
      {
        \c_space_tl~ \int_use:N \g__letgut_number_int
      }
    },
    pdfauthor={
      Association~
      \c__letgut_gutenberg_tl
      \c_space_tl
      (éditeur)
    },
  }
  \vspace*{1cm}
}{
  \hypersetup{
    pdftitle={\g__letgut_@title_str}
  }
  \tl_if_empty:NF \@author {
    \hypersetup{
      pdfauthor={\@author}
    }
```

```
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 intersting 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 subpargraphs (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 upper-
cased 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 dispayed 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        \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       O{\c__letgut_preamble_list_of_contributors_tl}
22       O{\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       O{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 (TEX 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 {{
           \l__letgut_softwares_font_switch_tl ##1}}
3        \tl_if_empty:nTF {#1}
4        {
5          \seq_use:Nn \l__letgut_tmpb_seq { ~ }
6        }{
7          \href{#1}{ \seq_use:Nn \l__letgut_tmpb_seq { ~ } }
8        }
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 O{\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 O{\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 O{\c__letgut_file_tl} } {
29       \IfBooleanT{#1}{
30         #3
31         \c_space_tl
32       }
33       \__letgut_file:n {#2}
34     }
35     \NewDocumentCommand {\software} { s O{} m O{\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 "nᵒ " 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
          \l__letgut_tmpa_tl\tl_range:Nnn \l__letgut_tmpb_tl { 2 } { -1 }}}
10          {\c__letgut_minus_tl} {\int_eval:n {\g__letgut_number_int
          \l__letgut_tmpa_tl\tl_range:Nnn \l__letgut_tmpb_tl { 2 } { -1 }}}
11          {\c__letgut_dot_tl}   {\int_use:N \g__letgut_number_int}
12        }
13        {\l__letgut_tmpb_tl}
14      }
15    }
16    \NewDocumentCommand { \lettrenumber } { s O{} } {
17      \IfBooleanT{#1}{
18        \no
19      }
```

```
20      \__letgut_get_lettre_number:n { #2 }
21    }
```

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 \lettregut used without star nor optional argument typeset resp. "*Lettre*" and "*Lettre* GUTenberg" :

— immediately followed by "nᵒ " 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 O{} } {
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 O{} } {
26    \IfBooleanTF{#1}{
27      \__letgut_lettre:nnn { #2 } { \c_space_tl \c__letgut_gutenberg_tl }
          { \c_space_tl\no }
28    }{
29      \__letgut_lettre:nnn { #2 } { \c_space_tl \c__letgut_gutenberg_tl }
          {  }
30    }
31  }
```

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 } { O{} 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 O{} m }{
6        \IfBooleanT{#1}{\c__letgut_package_tl\c_space_tl}#3
7      }
8      \RenewExpandableDocumentCommand\class { s O{} 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 O{} 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 whom first occurrences arise within footnotes? We want them to be displayed as their short forms followed by their the 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} { O{} 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 [1]".

```
1        \bool_if:NTF \l__letgut_in_footnote_bool {
2          \space
3          (
4          \acroifT {alt} { \acrotranslate {or} ~ \acrowrite {alt} ~ }
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       \acronymsmapF{%
31     \item[\acrowrite{short}\acroifT{alt}{/\acrowrite{alt}}]
32       \acroifT{foreign}{
33         \acrowrite{foreign}\acroifT{extra}{, }
34       }%
```

---

1. long

```
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}{ O{} 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} { O{} O{} m } {
5     \AtNextCite{\DeclareNameAlias{labelname}{given-family}}
6     \__letgut_old_citeauthor[#1][#2]{#3}
7   }
```

Book reviews

```
1   \tl_new:N \g__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_gset:N = \g__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    \keys_set:nn { letgut/bookreview } { #1 }
6    \section{\g__letgut_bookreview_title_tl}
7    \tl_if_empty:NTF \g__letgut_bookreview_frontcover_tl {
8      \msg_warning:nnV{letgut}{frontcover-missing}{
9        \g__letgut_bookreview_title_tl
10     }
11   }{
```

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{\g__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               \g__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       {\g__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 {
          \seq_gput_right:Nn \g__letgut_included_files_seq {##1}}
37      }
38   }
```

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.

```
1   \DeclareRobustCommand*\LKey[1]{%
2   \ifx#10\biolinumKeyGlyph{zero}%  % spurious space removed 2016/06/24
3   \else\ifx#11\biolinumKeyGlyph{one}%
4   \else\ifx#12\biolinumKeyGlyph{two}%
5   \else\ifx#13\biolinumKeyGlyph{three}%
6   \else\ifx#14\biolinumKeyGlyph{four}%
7   \else\ifx#15\biolinumKeyGlyph{five}%
8   \else\ifx#16\biolinumKeyGlyph{six}%
9   \else\ifx#17\biolinumKeyGlyph{seven}%
10  \else\ifx#18\biolinumKeyGlyph{eight}%
11  \else\ifx#19\biolinumKeyGlyph{nine}%
12  \else\ifx#1à\biolinumKeyGlyph{agrave}%
13  \else\ifx#1À\biolinumKeyGlyph{Agrave}%
14  \else\ifx#1â\biolinumKeyGlyph{acircumflex}%
15  \else\ifx#1Â\biolinumKeyGlyph{Acircumflex}%
16  \else\ifx#1é\biolinumKeyGlyph{eacute}%
17  \else\ifx#1É\biolinumKeyGlyph{Eacute}%
18  \else\ifx#1è\biolinumKeyGlyph{egrave}%
19  \else\ifx#1È\biolinumKeyGlyph{Egrave}%
20  \else\ifx#1ê\biolinumKeyGlyph{ecircumflex}%
21  \else\ifx#1Ê\biolinumKeyGlyph{Ecircumflex}%
22  \else\ifx#1ë\biolinumKeyGlyph{edieresis}%
23  \else\ifx#1Ë\biolinumKeyGlyph{Edieresis}%
24  \else\ifx#1î\biolinumKeyGlyph{icircumflex}%
25  \else\ifx#1Î\biolinumKeyGlyph{Icircumflex}%
26  \else\ifx#1ï\biolinumKeyGlyph{idieresis}%
27  \else\ifx#1Ï\biolinumKeyGlyph{Idieresis}%
28  \else\ifx#1ô\biolinumKeyGlyph{ocircumflex}%
29  \else\ifx#1Ô\biolinumKeyGlyph{Ocircumflex}%
30  \else\ifx#1ù\biolinumKeyGlyph{ugrave}%
31  \else\ifx#1Ù\biolinumKeyGlyph{Ugrave}%
32  \else\ifx#1û\biolinumKeyGlyph{ucircumflex}%
33  \else\ifx#1Û\biolinumKeyGlyph{Ucircumflex}%
34  \else\ifx#1ü\biolinumKeyGlyph{udieresis}%
35  \else\ifx#1Ü\biolinumKeyGlyph{Udieresis}%
36  \else\ifx#1ÿ\biolinumKeyGlyph{ydieresis}%
```

```
37    \else\ifxŸ#1\biolinumKeyGlyph{Ydieresis}%
38    \else\ifx#1ç\biolinumKeyGlyph{ccedilla}%
39    \else\ifx#1Ç\biolinumKeyGlyph{Ccedilla}%
40    \else\biolinumKeyGlyph{#1}%
41    \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
          \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}
```

Miscellanous

— 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} \tmpa_tl
3      \quark_if_no_value:NF \tmpa_tl {
4        \tl_if_eq:NnF \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   }
```

```
1    \cs_new_protected:Npn \__letgut_input_article:nn #1 #2
2    {
3      \FloatBarrier
4      \lstset{ style=__letgut_reset_listings_styles }
5      \acresetall%
6      \input{#2}%
7      \bool_if:NT \g__letgut_included_files_attached_bool {
8        \IfBooleanF {#1}{
9          \__letgut_attach_non_empty_existing_file:n {
10           \c__letgut_local_config_file_tl
11         }
12         \__letgut_attach_non_empty_existing_file:n {
13           \c__letgut_pre_documentclass_file_tl
14         }
15         \seq_gput_left:Nn \g__letgut_included_files_seq {
16           \attachfile[
17           description={Source~ du~ présent~ article~ (fichier~ `#2.tex`)},
18           mimetype=application/x-tex]
19           {#2.tex}
20         }
21         \bool_if:NT \g__letgut_acronyms_file_attached_bool {
22           \seq_gput_right:No \g__letgut_included_files_seq {
```

```
23                    \c__letgut_acronyms_file_attached_tl
24                  }
25                }
26              \bool_if:NT \g__letgut_lstlanguage_file_attached_bool {
27                \seq_gput_right:No \g__letgut_included_files_seq {
28                  \c__letgut_lstlanguage_file_attached_tl
29                }
30              }
31              \seq_remove_duplicates:N \g__letgut_included_files_seq
32              \marginpar{\seq_use:Nn \g__letgut_included_files_seq { } }
33              \seq_clear:N \g__letgut_included_files_seq
34              \bool_gset_false:N \g__letgut_acronyms_file_attached_bool
35              \bool_gset_false:N \g__letgut_lstlanguage_file_attached_bool
36            }
37          }
38        }
39        \NewDocumentCommand{\inputarticle}{ s m }{
40          \__letgut_input_article:nn { #1 } { #2 }
41        }
```

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            ]
16            {#3}
17          }
18        }
19      }
20      \__letgut_orig_includegraphics[#2]{#3}
21    }{
22      \bool_gset_false:N \g__letgut_tmpa_bool
23      \clist_map_inline:Nn \l__letgut_tmpa_clist {%
24        \file_if_exist:nTF {#3##1} {
25          \clist_map_break:n {
26            \bool_if:NT \g__letgut_included_files_attached_bool {
27              \IfBooleanF {#1}{
28                \seq_gput_left:Nn \g__letgut_included_files_seq {
29                  \attachfile[
```

```
30                  description={Fichier~ image~ inclus~ dans~ le~ présent~
       article~ (fichier~ `#3##1`)},
31                  mimetype=image/##1
32                  ]
33                  {#3##1}
34                }
35              }
36            }
37          \__letgut_orig_includegraphics[#2]{#3}
38          \bool_gset_true:N \g__letgut_tmpa_bool
39        }
40      }
41    }
42    \bool_if:NF \g__letgut_tmpa_bool {
43      \@latex@error{File~ `#3'~ not~ found}%
44      {I~ could~ not~ locate~ the~ file~ with~ any~ of~ these~
       extensions:^^J%
45        \clist_use:Nn \l__letgut_tmpa_clist { ~ }^^J\@ehc}%
46    }
47  }
48 }
49 \RenewDocumentCommand {\includegraphics} {s O{} m } {
50   \__letgut_includegraphics:nnn {#1} {#2} {#3}
51 }
```

Added bibliographic ressources attached to the PDF

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

```
1  \NewCommandCopy {\__letgut_orig_addbibresource} {\addbibresource}
2  \cs_new_protected:Npn \__letgut_addbibresource:nnn #1 #2 #3
3  {
4    \file_if_exist:nT {#3} {
5      \IfBooleanF {#1}{
6        \seq_gput_left:Nn \g__letgut_added_bib_resources_seq {
7          \attachfile[
8          description={
9            Source~ du~ fichier~ bibliographique~ utilisé~
10           dans~ le~ présent~ article~ (fichier~ `#3`)
11         },
12         mimetype=application/x-bibtex
13         ]%
14         {#3}%
15       }
16     }
17   }
18   \__letgut_orig_addbibresource[#2]{#3}
19 }
20 \RenewDocumentCommand {\addbibresource} { s O{} m } {
21   \__letgut_addbibresource:nnn {#1} {#2} {#3}
22 }
```

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 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=£,
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_foregroundLinenumber}
4  \__letgut_unselectable:n,
```

Because of a current issue involving parskip and listings (https://github.com/F
rankMittelbach/fmitex-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 }
```

LATEX listings and examples

We define the colors for the syntax highlighting of 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 LATEX listings.

```
1   \lstdefinestyle{__letgut_latex_listings_style}{
2     language=TeX,%
3     alsolanguage=[AlLaTeX]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 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    {\\\\}{{{\color{__letgut_texcs}\textbackslash\textbackslash}}}{2}%
3    {\\[}{{{\textcolor{__letgut_math}{\textbackslash[}}}{2}%
4    {\\]}{{{\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_foregroundLinenumber}{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~es.

```
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:nn #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~ \thetcbcounter
20   \tl_if_empty:NF {#1} { \hypersetup{hidelinks} \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@sidebysidetrue%
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
 1      \int_compare:nNnT {\thetcbbreakpart} > {1} {~(suite)}
 2      }
 3      \__letgut_code_result_mention_box:nn {
 4        [yshift=.1mm]segmentation.east
 5      } {résultat}
 6      \else%
 7      % 2 = Box contains only a lower part
 8      \__letgut_code_result_mention_box:nn {interior.north~ east} {résultat
 1      \int_compare:nNnT {\thetcbbreakpart} > {1} {~(suite)}
 2      }
 3      \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 LaTeX code :

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

1. both LaTeX code and its result :

    (a) ordinary :

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

1. with the result obtained externally :

```
1    \DeclareTCBListing[
2      use~ counter~ from=ltx-code,
3      crefname={exemple}{exemples}
4    ]{ltx-code-external-result}{ O{} 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     4\p@ \@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 TEXdialects specified in the class. So we provide a specific command that let us specify (the dialects of) the main language (TEXby 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,compopt,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,cat,cfdisk,chattr,chgrp,%
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,groupadd,groupdel,groupmod,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,most,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        uudecode,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=[l]\#,%
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       every~ listing~ line={%
14         \textcolor{__letgut_terminal_prompt}{%
15           \ttfamily%
16           \bfseries%
17           \__letgut_unselectable:n {#1\c_space_tl}
18         }
19       },
20     },
21   }
```

We define now 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:nF {#3}{
5          \tcbset{tempfile=\jobname-stdin.tex}
6          \exp_args:Nx \scantokens
7          {
8            \token_to_str:N\begin{tcbwritetemp}
9              #3
10           \token_to_str:N\end{tcbwritetemp}
11         }
12     }
13     \tl_if_empty:nF {#4}{
14         \tcbset{tempfile=\jobname-stdout.tex}
15         \exp_args:Nx \scantokens
16         {
17           \token_to_str:N\begin{tcbwritetemp}
18             #4
19           \token_to_str:N\end{tcbwritetemp}
20         }
21     }
22     \tl_if_empty:nTF {#3}{
23        \tl_if_empty:nTF {#4}{
24            \bool_set_true:N \l__letgut_tmpa_bool
25        }{
26            \tcbset{colback=__letgut_background_terminal_stdout}
27        }
28     }{
29        \tcbset{colback=__letgut_background_terminal_stdin}
30        \tl_if_empty:nTF {#4}{
31        }{
32          \tcbset{
33            bicolor,
34            middle=0mm,
35            boxsep=0mm,
36            colbacklower=__letgut_background_terminal_stdout,
37          }
38        }
39     }
40      \bool_if:NF \l__letgut_tmpa_bool {
41        \begin{tcolorbox}[terminal={#1},#2]
42        \lstset{aboveskip=0pt}
43        \tl_if_empty:nF {#3}{
44            \tcbset{
45              tempfile=\jobname-stdin.tex,
46            }
47            \tcbusetemplisting
48            \tl_if_empty:nF {#4}{
49              \tcblower
50            }
51        }
52        \tl_if_empty:nF {#4}{
53            \tl_if_empty:nF {#3}{
54                \lstset{aboveskip=0pt}
```

```
55          }
56        \tcbset{
57          tempfile=\jobname-stdout.tex,
58          every~ listing~ line={},
59          listing~ options~ app={
60            language={}
61          }
62        }
63        \tcbusetemplisting
64      }
65    \end{tcolorbox}
66  }
67  }
68  \NewDocumentCommand{\terminal}{ O{\$} O{} +v +v}{
69    \__letgut_terminal:nnnn {#1} {#2} {#3} {#4}
70  }
```

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

```
1  }
```

Unicode characters with positions above 256

Unicode characters with positions above 256 causes 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^^^^201d% for " and "
13    ^^^^215b% for ⅛
14    ^^^^2122% for ™
15    ^^^^2019% for '
16    ^^^^0153% for œ
17    ^^00%
18  }
19  \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
```

(biblatex) Data model

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

— the books reviews,

— the books advertisements.

```
1  \ProvidesFile{letgut.lbx}[2024-02-29 v0.9.8 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}[2024-02-29 v0.9.8 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}[2024-02-29 v0.9.8 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

```latex
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
        Lettre est
73    % % à la fois en version pour les lecteurs (option `for-readers' activée
        par
74    % % défaut) et en sortie écran (option `screen' activée par défaut).  L'
        option
75    % % `reverse-files-attachement' inverse ce comportement par défaut.
76    %
77    % , reverse-files-attachement
78    %
79  }
80
81  \setmainfont{TeX Gyre Schola} % Par exemple
82
83  \usepackage[maths=both]{duckuments}
84  \usepackage{mwe}
85
86  % \addbibresource{biblio.bib}
87
88  \begin{document}
89  \duckument
90  \end{document}
91
92  %%% Local Variables:
93  %%% TeX-engine: luatex
94  %%% TeX-master: t
95  %%% 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    \small
 5    \vspace*{-1cm}
 6    \hspace*{-1.5cm}%
 7    \raisebox{-\height+0.7\baselineskip}{%
 8      \begin{minipage}[t]{.6\textwidth}%\vspace{0pt}%
 9        \includegraphics*[width=\linewidth]{logo-gut.pdf}
10      \end{minipage}%
11    }%
12    \hfill%
13    \begin{minipage}[t]{.5\textwidth}%\vspace{0pt}%
14      \footnotesize\raggedleft%
15      Association \gut{}\\
16      15 rue des Halles -- \textsc{bp} 74\\
17      75001 Paris\\
18      France\\
19      \url{secretariat[at]gutenberg[dot]eu[dot]org}
20    \end{minipage}%

21

22    \begin{description}
23    \item[Site Internet :] \url{https://www.gutenberg-asso.fr/}
24    \item[\Cahiers{} :] \url{http://www.numdam.org/journals/CG/}
25    \item[Problèmes techniques :]
26      \leavevmode
27      \begin{description}
28      \item[la liste \texttt{gut} :]
29        \url{https://www.gutenberg-asso.fr/-Listes-de-diffusion-}
30      \item[le site \hologo{TeX}nique de questions et réponses :]
31        \url{https://texnique.fr/}
32      \item[la foire aux questions :]
33        \url{https://faq.gutenberg-asso.fr/}
34      \end{description}
35    \end{description}
36    %
37    \alertbox{%
38      Cette association est la vôtre : faites-nous part de
39      vos idées, de vos envies, de vos préoccupations
40      à l'adresse \url{secretariat[at]gutenberg[dot]eu[dot]org}.%
```

```
41    }
42
43    % \section[Association GUTenberg (tout sur l')]
44    % {Adhésion à l'association}
45    \title{Adhésion à l'association}
46    \label{letgut_label_adhesions}
47
48    \begin{itemize}
49    \item % Adhésions et abonnements
50      Les adhésions sont à renouveler  en début d'année
51      pour l'année civile.
52      % \item Il n'y a pas de lettre de rappel, chaque membre
53      %   doit faire son renouvellement annuel; %\hspace*{1em}
54      %   merci de renvoyer spontanément le bulletin ci-dessous
55      %   en début d'année.
56    \item Les administrations peuvent joindre un bon de commande
57      revêtu de la signature de la personne responsable ;
58      les étudiants doivent joindre un justificatif.
59      % \item Si vous souhaitez que vos coordonnées restent
60      %   confidentielles, merci de le signaler.
61    \end{itemize}
62
63    \vspace*{-0.7cm}
64    \section{Tarifs \the\year}
65
66    Les membres de \gut\ peuvent adhérer à l'association
67    internationale, le \acf{tug}, et recevoir son bulletin
68    \tugboat{} à un tarif préférentiel :
69    \begin{description}
70    \item[tarif normal :] 65~€ (au lieu de 85~\$)
71    \item[tarif étudiant :] 40~€ (au lieu de 55~\$)
72    \end{description}
73    % (49~€50}, étudiants et demandeurs d'emploi :
74    % 29~€, au lieu de 85\$ et % 65\$).  Voir
75    % \url{%
76    % https://www.gutenberg-asso.fr/?Adherer-en-ligne%
77    % }.
78
79    \footnotesize
80    \begin{center}
81      \begin{tabular}{lr}
82        \toprule
83        \textbf{Type d'adhésion}                     & \textbf{Prix} \\
84        \midrule
85        Membre individuel                            & 30~€      \\
86        Membre individuel + adhésion \acs{tug}       & 95~€      \\
87        Membre individuel étudiant/demandeur d'emploi & 15~€      \\
88        Membre individuel étudiant + adhésion \acs{tug} & 55~€    \\
89        Association d'étudiants                       & 65~€      \\
90        Organisme à but non lucratif                 & 130~€     \\
91        Organisme à but lucratif                     & 229~€     \\
92        \bottomrule
```

```latex
 93      \end{tabular}
 94    \end{center}
 95
 96    \section{Règlements}
 97
 98    Les règlements peuvent s'effectuer par :
 99    \begin{itemize}
100    \item \textbf{virement bancaire}%
101      \footnote{Nous vous remercions de \textbf{privilégier}
102        le \textbf{virement bancaire}.\label{fn:1}} (\textsc{iban} :
103      FR76 1870 7000 3003 0191 3568 475)%
104      \leavevmode
105
106      \alertbox{%
107        Veillez à bien \emph{indiquer vos nom et prénom}
108        dans les références du virement !%
109      }
110    \item Paypal\footnotemark[\value{footnote}] :
111      \url{https://www.gutenberg-asso.fr/?Adherer-en-ligne}
112    \item bulletin et chèque\footnotemark[\value{footnote}] :
113      \url{https://www.gutenberg-asso.fr/?Adherer-a-l-association}
114    \end{itemize}
115
116    \vfill
117
118    \begin{center}
119      \begin{tblr}{
120          width=.75\linewidth,
121          colspec={
122            % < (Just not to disturb the parentheses
123            % balancing detection of my editor.)
124            >{\bfseries}r@{ }X
125          },
126          vline{1,3}={solid},
127          hline{1,7}={solid},
128          rowsep=0mm,
129          row{1} = {abovesep+=.25cm},
130          row{2} = {belowsep+=.125cm},
131          row{6} = {belowsep+=.25cm},
132          % colsep=2.5mm,
133        }
134        \SetCell[c=2]{c} \emph{La \lettregut}\\
135        \SetCell[c=2]{c} \mdseries Bulletin irrégulomestriel
136        de l'association \gut\\
137        Directeur de la publication :
138        & \person{Bideault, Patrick} \\
139        Comité de rédaction :
140        & {Patrick Bideault, Denis Bitouzé,  \\
141          Céline Chevalier \& Maxime Chupin} \\
142        Adresse de la rédaction : &
143        {
144          Association \gut\\
```

```
145         15 rue des Halles -- \textsc{bp} 74\\
146         75001 Paris
147       }
148       \\
149     \acs{issn} : & \letgutissn
150   \end{tblr}
151 \end{center}
152 \vfill
153 \mbox{}
154 \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, sytème 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@definelanguage[...]{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    \lst@definelanguage[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@definelanguage[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@definelanguage[FiraSans]{TeX}{%
```

```
111      % Control sequences names
112      moretexcs={%
113        sufigures,firaoldstyle,firalining,firatabular,firaproportional,
114        firathin,firalight,firaextralight,firaultralight,firamedium,firabook
           ,
115        firasemibold,firaextrabold,firaheavy,%
116      }%
117      % Keywords of class 1 : keywords that contain other characters
118      % (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,
           proportional,%
128        p,book,medium,mb,semibold,sb,light,l,extralight,ultralight,thin,%
129        extrabold,heavy,default,%
130      },%
131      % Keywords of class 4 : values of keys (in key=value)
132      morekeywords=[4]{%
133      },%
134      % Keywords of class 5 : arguments specifications (after ":" in expl3
135      % syntax)
136      morekeywords=[5]{%
137      },%
138      % Keywords of class 6 : current package name (and possibly derived
139      % packages)
140      morekeywords=[6]{%
141        FiraSans%
142      },%
143      % otherkeywords={},
144      alsoletter={1},
145      % alsodigit={},%
146      % alsoother={},%
147      sensitive,%
148    }[keywords,tex,comments]
149
150    \lst@definelanguage[luagcd]{TeX}{%
151      % Control sequences names
152      moretexcs={%
153        luagcdwithsteps,%
154      },%
155      % Keywords of class 1 : keywords that contain other characters
156      % (since of the same class as the ones specified as 'otherkeywords')
157      morekeywords={%
158      },%
159      % Keywords of class 2 : environments names
160      morekeywords=[2]{%
```

```
161      },%
162      % Keywords of class 3 : mandatory arguments (not environments) &
163      % optional arguments which are keys (in key=value)
164      morekeywords=[3]{%
165      },%
166      % Keywords of class 4 : values of keys (in key=value)
167      morekeywords=[4]{%
168      },%
169      % 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@definelanguage[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@definelanguage[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  \lst@definelanguage[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@definelanguage[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@definelanguage[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@definelanguage[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@definelanguage[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@definelanguage[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@definelanguage[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,
             bffrak,%
489          bfsfup,bfsfit,sym,%
490        },%
491        % Keywords of class 5 : arguments specifications (after ":" in expl3
492        % syntax)
493        morekeywords=[5]{%
494        },%
495        % Keywords of class 6 : current package name (and possibly derived
496        % packages)
497        morekeywords=[6]{%
498          unicode-math
499        },%
500        % otherkeywords={},
501        alsoletter={-},
502        % alsodigit={},%
503        % alsoother={},%
504        sensitive,%
505      }[keywords,tex,comments]
506
507      \lst@definelanguage[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@definelanguage[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@definelanguage[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@definelanguage[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@definelanguage[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@definelanguage[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@definelanguage[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          title,addon,result width,reference,text,title,reviewer,bibkey,%
747          frontcover,price,result,and,no,solution,color,toc,title,%
748        },%
749        % Keywords of class 4 : values of keys (in key=value)
750        morekeywords=[4]{%
751        },%
752        % Keywords of class 5 : arguments specifications (after ":" in expl3
753        % syntax)
754        morekeywords=[5]{%
755        },%
756        % Keywords of class 6 : current package name (and possibly derived
757        % packages)
758        morekeywords=[6]{%
759          letgut%
760        },%
761        % otherkeywords={},%
762        alsoletter={-\ },%
763        % alsodigit={},%
764        alsoother={*},%
765        % alsoother={},%
766        sensitive,%
767      }[keywords,tex,comments]%
768
769      %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
770      % LaTeX texcs and keywords that are missing in `listings` driver file
771      %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
772      \lst@definelanguage[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,thepart,thesection,thesubparagraph,%
801        thesubsection,thesubsubsection,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,
            math,%
812        minipage,picture,quotation,quote,sloppypar,tabbing,table,tabular,%
813        thebibliography,theindex,titlepage,trivlist,verbatim,verse,%
814      },%
815      % Keywords of class 3 : mandatory arguments (not environments) &
816      % optional arguments which are keys (in key=value)
817      morekeywords=[3]{%
818        % c,cc,ccc,cccc,X,l,
819        empty,%
820      },%
821      % Keywords of class 4 : values of keys (in key=value)
822      morekeywords=[4]{%
823      },%
824      % Keywords of class 5 : arguments specifications (after ":" in expl3
825      % syntax)
826      morekeywords=[5]{%
827      },%
828      % Keywords of class 6 : current package name (and possibly derived
829      % packages)
830      morekeywords=[6]{%
831        %
832      },
833      otherkeywords={|},%
```

```
834      % alsoletter={},% alsodigit={},%
835      % alsoother={},%
836      sensitive,%
837    }[keywords,tex,comments]%
838
839    \lst@definelanguage[listings]{TeX}{%
840      % Control sequences names
841      moretexcs={%
842        lstDeleteShortInline,lstMakeShortInline,lstalias,lstaspectfiles,%
843        lstdefineformat,lstdefinelanguage,lst@definelanguage,lstdefinestyle,%
           %
844        lstindexmacro,lstinline,lstinputlisting,lstlanguagefiles,%
845        lstlgrindeffile,lstlistingname,lstlistingnamestyle,%
846        lstlistlistingname,lstlistoflistings,lstloadlanguages,lstname,%
847        lstnewenvironment,lstset,theHlstnumber,thelstlabel,thelstlisting,%
848        thelstnumber,%
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,
           %
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,frameround,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,linerange,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@definelanguage[xcolor]{TeX}{%
940    % Control sequences names
941    moretexcs={%
942      color,pagecolor,definecolor,colorlet,textcolor,%
943    },%
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@definelanguage[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      bool_const,bool_do_until,bool_do_while,bool_gset,bool_gset_eq,%
982      bool_gset_false,bool_gset_inverse,bool_gset_true,bool_if,%
983      bool_if_exist,bool_if_exist_p,bool_if_p,bool_lazy_all,%
984      bool_lazy_all_p,bool_lazy_and,bool_lazy_and_p,bool_lazy_any,%
985      bool_lazy_any_p,bool_lazy_or,bool_lazy_or_p,bool_log,bool_new,%
```

```
986         bool_not_p,bool_set,bool_set_eq,bool_set_false,bool_set_inverse,%
987         bool_set_true,bool_show,bool_to_str,bool_until_do,bool_while_do,%
988         bool_xor,bool_xor_p,box_autosize_to_wd_and_ht,%
989         box_autosize_to_wd_and_ht_plus_dp,box_clear,box_clear_new,box_clip,%
990         box_dp,box_gautosize_to_wd_and_ht,box_gautosize_to_wd_and_ht_plus_dp
            ,%
991         box_gclear,box_gclear_new,box_gclip,box_gresize_to_ht,%
992         box_gresize_to_ht_plus_dp,box_gresize_to_wd,box_gresize_to_wd_and_ht
            ,%
993         box_gresize_to_wd_and_ht_plus_dp,box_grotate,box_gscale,box_gset_dp,
            %
994         box_gset_eq,box_gset_eq_drop,box_gset_ht,box_gset_to_last,%
995         box_gset_trim,box_gset_viewport,box_gset_wd,box_ht,box_ht_plus_dp,%
996         box_if_empty,box_if_empty_p,box_if_exist,box_if_exist_p,%
997         box_if_horizontal,box_if_horizontal_p,box_if_vertical,%
998         box_if_vertical_p,box_log,box_move_down,box_move_left,%
999         box_move_right,box_move_up,box_new,box_resize_to_ht,%
1000        box_resize_to_ht_plus_dp,box_resize_to_wd,box_resize_to_wd_and_ht,%
1001        box_resize_to_wd_and_ht_plus_dp,box_rotate,box_scale,box_set_dp,%
1002        box_set_eq,box_set_eq_drop,box_set_ht,box_set_to_last,box_set_trim,%
1003        box_set_viewport,box_set_wd,box_show,box_use,box_use_drop,box_wd,%
1004        c_alignment_token,c_ampersand_str,c_atsign_str,c_backslash_str,%
1005        c_catcode_active_space_tl,c_catcode_active_tl,c_catcode_letter_token
            ,%
1006        c_catcode_other_space_tl,c_catcode_other_token,c_circumflex_str,%
1007        c_code_cctab,c_colon_str,c_document_cctab,c_dollar_str,c_e_fp,%
1008        c_empty_box,c_empty_clist,c_empty_coffin,c_empty_prop,c_empty_seq,%
1009        c_empty_tl,c_false_bool,c_group_begin_token,c_group_end_token,%
1010        c_hash_str,c_inf_fp,c_initex_cctab,c_left_brace_str,c_log_iow,%
1011        c_math_subscript_token,c_math_superscript_token,c_math_toggle_token,
            %
1012        c_max_char_int,c_max_dim,c_max_int,c_max_muskip,c_max_register_int,%
1013        c_max_skip,c_minus_inf_fp,c_minus_zero_fp,c_nan_fp,c_novalue_tl,%
1014        c_one_degree_fp,c_one_fp,c_one_int,c_other_cctab,c_parameter_token,%
1015        c_percent_str,c_pi_fp,c_right_brace_str,c_space_tl,c_space_token,%
1016        c_str_cctab,c_sys_backend_str,c_sys_day_int,c_sys_engine_exec_str,%
1017        c_sys_engine_format_str,c_sys_engine_str,c_sys_engine_version_str,%
1018        c_sys_hour_int,c_sys_jobname_str,c_sys_minute_int,c_sys_month_int,%
1019        c_sys_output_str,c_sys_platform_str,c_sys_shell_escape_int,%
1020        c_sys_year_int,c_term_iow,c_tilde_str,c_true_bool,c_underscore_str,%
1021        c_zero_dim,c_zero_fp,c_zero_int,c_zero_muskip,c_zero_skip,%
1022        c_zero_str,cctab_begin,cctab_const,cctab_end,cctab_gset,%
1023        cctab_if_exist,cctab_if_exist_p,cctab_item,cctab_new,cctab_select,%
1024        char_foldcase,char_generate,char_gset_active_eq,char_lowercase,%
1025        char_set_active_eq,char_set_catcode,char_set_catcode_active,%
1026        char_set_catcode_alignment,char_set_catcode_comment,%
1027        char_set_catcode_end_line,char_set_catcode_escape,%
1028        char_set_catcode_group_begin,char_set_catcode_group_end,%
1029        char_set_catcode_ignore,char_set_catcode_invalid,%
1030        char_set_catcode_letter,char_set_catcode_math_subscript,%
1031        char_set_catcode_math_superscript,char_set_catcode_math_toggle,%
1032        char_set_catcode_other,char_set_catcode_parameter,%
```

```
1033        char_set_catcode_space,char_set_lccode,char_set_mathcode,%
1034        char_set_sfcode,char_set_uccode,char_show_value_catcode,%
1035        char_show_value_lccode,char_show_value_mathcode,%
1036        char_show_value_sfcode,char_show_value_uccode,char_str_foldcase,%
1037        char_str_lowercase,char_str_titlecase,char_str_uppercase,%
1038        char_titlecase,char_to_nfd,char_to_utfviii_bytes,char_uppercase,%
1039        char_value_catcode,char_value_lccode,char_value_mathcode,%
1040        char_value_sfcode,char_value_uccode,clist_clear,clist_clear_new,%
1041        clist_concat,clist_const,clist_count,clist_gclear,clist_gclear_new,%
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_mdfive_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_mdfive_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,%
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,fparray_count,fparray_gset,fparray_gzero,%
1098          fparray_item,fparray_item_to_tl,fparray_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,g__letgut_tmpa_bool,
              g__letgut_tmpa_box,%
1101          g__letgut_tmpa_clist,g__letgut_tmpa_coffin,g__letgut_tmpa_dim,
              g__letgut_tmpa_fp,g__letgut_tmpa_int,%
1102          g__letgut_tmpa_ior,g__letgut_tmpa_iow,g__letgut_tmpa_muskip,
              g__letgut_tmpa_prop,g__letgut_tmpa_regex,%
1103          g__letgut_tmpa_seq,g__letgut_tmpa_skip,g__letgut_tmpa_str,
              g__letgut_tmpa_tl,g__letgut_tmpb_bool,g__letgut_tmpb_box,%
1104          g__letgut_tmpb_clist,g__letgut_tmpb_coffin,g__letgut_tmpb_dim,
              g__letgut_tmpb_fp,g__letgut_tmpb_int,%
1105          g__letgut_tmpb_ior,g__letgut_tmpb_iow,g__letgut_tmpb_muskip,
              g__letgut_tmpb_prop,g__letgut_tmpb_regex,%
1106          g__letgut_tmpb_seq,g__letgut_tmpb_skip,g__letgut_tmpb_str,
              g__letgut_tmpb_tl,group_align_safe_begin,%
1107          group_align_safe_end,group_begin,group_end,group_insert_after,%
1108          group_log_list,group_show_list,hbox,hbox_gset,hbox_gset_end,%
1109          hbox_gset_to_wd,hbox_overlap_center,hbox_overlap_left,%
1110          hbox_overlap_right,hbox_set,hbox_set_end,hbox_set_to_wd,hbox_to_wd,%
1111          hbox_to_zero,hbox_unpack,hbox_unpack_drop,hcoffin_gset,%
1112          hcoffin_gset_end,hcoffin_set,hcoffin_set_end,if,if_bool,%
1113          if_box_empty,if_case,if_catcode,if_charcode,if_cs_exist,if_dim,%
1114          if_eof,if_false,if_hbox,if_int_compare,if_int_odd,if_meaning,%
1115          if_mode_horizontal,if_mode_inner,if_mode_math,if_mode_vertical,%
1116          if_predicate,if_true,if_vbox,int_abs,int_add,int_case,int_compare,%
1117          int_compare_p,int_const,int_decr,int_div_round,int_div_truncate,%
1118          int_do_until,int_do_while,int_eval,int_from_alph,int_from_base,%
1119          int_from_bin,int_from_hex,int_from_oct,int_from_roman,int_gadd,%
1120          int_gdecr,int_gincr,int_gset,int_gset_eq,int_gsub,int_gzero,%
1121          int_gzero_new,int_if_even,int_if_even_p,int_if_exist,int_if_exist_p,
              %
1122          int_if_odd,int_if_odd_p,int_incr,int_log,int_max,int_min,int_mod,%
1123          int_new,int_rand,int_set,int_set_eq,int_show,int_sign,%
1124          int_step_...,int_step_function,int_step_inline,int_step_variable,%
1125          int_sub,int_to_Alph,int_to_Base,int_to_Hex,int_to_Roman,%
1126          int_to_alph,int_to_arabic,int_to_base,int_to_bin,int_to_hex,%
1127          int_to_oct,int_to_roman,int_to_symbols,int_until_do,int_use,%
1128          int_value,int_while_do,int_zero,int_zero_new,%
```

```
1129        intarray_const_from_clist,intarray_count,intarray_gset,%
1130        intarray_gset_rand,intarray_gzero,intarray_item,intarray_log,%
1131        intarray_new,intarray_rand_item,intarray_show,intarray_to_clist,%
1132        ior_close,ior_get,ior_get_term,ior_if_eof,ior_if_eof_p,ior_log,%
1133        ior_log_list,ior_map_break,ior_map_inline,ior_map_variable,ior_new,%
1134        ior_open,ior_shell_open,ior_show,ior_show_list,ior_str_get,%
1135        ior_str_get_term,ior_str_map_inline,ior_str_map_variable,%
1136        iow_allow_break,iow_char,iow_close,iow_indent,iow_log,iow_log_list,%
1137        iow_new,iow_newline,iow_now,iow_open,iow_shipout,iow_shipout_x,%
1138        iow_show,iow_show_list,iow_term,iow_wrap,keys_define,%
1139        keys_if_choice_exist,keys_if_choice_exist_p,keys_if_exist,%
1140        keys_if_exist_p,keys_log,keys_set,keys_set_filter,keys_set_groups,%
1141        keys_set_known,keys_show,keyval_parse,l_char_active_seq,%
1142        l_char_special_seq,l_color_fixed_model_tl,l_color_math_active_tl,%
1143        l_file_search_path_seq,l_iow_line_count_int,l_keys_choice_int,%
1144        l_keys_choice_tl,l_keys_key_str,l_keys_path_str,%
1145        l_keys_usage_load_prop,l_keys_usage_preamble_prop,l_keys_value_tl,%
1146        l_my_int,l_peek_token,l_text_accents_tl,l_text_case_exclude_arg_tl,%
1147        l_text_expand_exclude_tl,l_text_letterlike_tl,l_text_math_arg_tl,%
1148        l_text_math_delims_tl,l_text_titlecase_check_letter_bool,
            l__letgut_tmpa_bool,%
1149        l__letgut_tmpa_box,l__letgut_tmpa_clist,l__letgut_tmpa_coffin,
            l__letgut_tmpa_dim,l__letgut_tmpa_fp,%
1150        l__letgut_tmpa_int,l__letgut_tmpa_muskip,l__letgut_tmpa_prop,
            l__letgut_tmpa_regex,l__letgut_tmpa_seq,%
1151        l__letgut_tmpa_skip,l__letgut_tmpa_str,l__letgut_tmpa_tl,
            l__letgut_tmpb_bool,l__letgut_tmpb_box,%
1152        l__letgut_tmpb_clist,l__letgut_tmpb_coffin,l__letgut_tmpb_dim,
            l__letgut_tmpb_fp,l__letgut_tmpb_int,%
1153        l__letgut_tmpb_muskip,l__letgut_tmpb_prop,l__letgut_tmpb_regex,
            l__letgut_tmpb_seq,l__letgut_tmpb_skip,%
1154        l__letgut_tmpb_str,l__letgut_tmpb_tl,legacy_if,legacy_if_gset,
            legacy_if_gset_false,%
1155        legacy_if_gset_true,legacy_if_p,legacy_if_set,legacy_if_set_false,%
1156        legacy_if_set_true,lua_escape,lua_now,lua_shipout,lua_shipout_e,%
1157        mode_if_horizontal,mode_if_horizontal_p,mode_if_inner,%
1158        mode_if_inner_p,mode_if_math,mode_if_math_p,mode_if_vertical,%
1159        mode_if_vertical_p,mode_leave_vertical,msg_critical,%
1160        msg_critical_text,msg_error,msg_error_text,msg_expandable_error,%
1161        msg_fatal,msg_fatal_text,msg_gset,msg_if_exist,msg_if_exist_p,%
1162        msg_info,msg_info_text,msg_line_context,msg_line_number,msg_log,%
1163        msg_log_eval,msg_module_name,msg_module_type,msg_new,msg_none,%
1164        msg_note,msg_redirect_class,msg_redirect_module,msg_redirect_name,%
1165        msg_see_documentation_text,msg_set,msg_show,msg_show_eval,%
1166        msg_show_item,msg_show_item_unbraced,msg_term,msg_warning,%
1167        msg_warning_text,muskip_add,muskip_const,muskip_eval,muskip_gadd,%
1168        muskip_gset,muskip_gset_eq,muskip_gsub,muskip_gzero,%
1169        muskip_gzero_new,muskip_if_exist,muskip_if_exist_p,muskip_log,%
1170        muskip_new,muskip_set,muskip_set_eq,muskip_show,muskip_sub,%
1171        muskip_use,muskip_zero,muskip_zero_new,pdf_destination,%
1172        pdf_object_if_exist,pdf_object_if_exist_p,pdf_object_new,%
1173        pdf_object_ref,pdf_object_ref_last,pdf_object_unnamed_write,%
```

```
1174    pdf_object_write,pdf_pageobject_ref,pdf_pagobject_ref,pdf_uncompress
        ,%
1175    pdf_version,pdf_version_compare,pdf_version_compare_p,%
1176    pdf_version_gset,pdf_version_major,pdf_version_min_gset,%
1177    pdf_version_minor,peek_N_type,peek_after,peek_analysis_map_break,%
1178    peek_analysis_map_inline,peek_catcode,peek_catcode_collect_inline,%
1179    peek_catcode_remove,peek_charcode,peek_charcode_collect_inline,%
1180    peek_charcode_remove,peek_gafter,peek_meaning,%
1181    peek_meaning_collect_inline,peek_meaning_remove,peek_regex,%
1182    peek_regex_remove_once,peek_regex_replace_once,peek_remove_filler,%
1183    peek_remove_spaces,prg_break,prg_break_point,prg_do_nothing,%
1184    prg_generate_conditional_variant,prg_map_break,prg_new_conditional,%
1185    prg_new_eq_conditional,prg_new_protected_conditional,prg_replicate,%
1186    prg_return_false,prg_return_true,prg_set_conditional,%
1187    prg_set_eq_conditional,prg_set_protected_conditional,prop_clear,%
1188    prop_clear_new,prop_concat,prop_const_from_keyval,prop_count,%
1189    prop_gclear,prop_gclear_new,prop_gconcat,prop_get,prop_gpop,%
1190    prop_gput,prop_gput_from_keyval,prop_gput_if_new,prop_gremove,%
1191    prop_gset_eq,prop_gset_from_keyval,prop_if_empty,prop_if_empty_p,%
1192    prop_if_exist,prop_if_exist_p,prop_if_in,prop_if_in_p,prop_item,%
1193    prop_log,prop_map_break,prop_map_function,prop_map_inline,%
1194    prop_map_tokens,prop_new,prop_pop,prop_put,prop_put_from_keyval,%
1195    prop_put_if_new,prop_rand_key_value,prop_remove,prop_set_eq,%
1196    prop_set_from_keyval,prop_show,prop_to_keyval,q_mark,q_nil,%
1197    q_no_value,q_recursion_stop,q_recursion_tail,q_stop,quark_if_nil,%
1198    quark_if_nil_p,quark_if_no_value,quark_if_no_value_p,%
1199    quark_if_recursion_tail_break,quark_if_recursion_tail_stop,%
1200    quark_if_recursion_tail_stop_do,quark_new,regex_const,regex_count,%
1201    regex_extract_all,regex_extract_once,regex_gset,regex_log,%
1202    regex_match,regex_match_case,regex_new,regex_replace,%
1203    regex_replace_all,regex_replace_case_all,regex_replace_case_once,%
1204    regex_replace_once,regex_set,regex_show,regex_split,reverse_if,%
1205    s_stop,scan_new,scan_stop,seq_clear,seq_clear_new,seq_concat,%
1206    seq_const_from_clist,seq_count,seq_gclear,seq_gclear_new,%
1207    seq_gconcat,seq_get,seq_get_left,seq_get_right,seq_gpop,%
1208    seq_gpop_item,seq_gpop_left,seq_gpop_right,seq_gpush,seq_gput_left,%
1209    seq_gput_right,seq_gremove_all,seq_gremove_duplicates,seq_greverse,%
1210    seq_gset_eq,seq_gset_filter,seq_gset_from_clist,%
1211    seq_gset_from_function,seq_gset_from_inline_x,seq_gset_item,%
1212    seq_gset_map,seq_gset_map_x,seq_gset_split,%
1213    seq_gset_split_keep_spaces,seq_gshuffle,seq_gsort,seq_if_empty,%
1214    seq_if_empty_p,seq_if_exist,seq_if_exist_p,seq_if_in,seq_item,%
1215    seq_log,seq_map_break,seq_map_function,seq_map_indexed_function,%
1216    seq_map_indexed_inline,seq_map_inline,seq_map_tokens,%
1217    seq_map_variable,seq_mapthread_function,seq_new,seq_pop,%
1218    seq_pop_item,seq_pop_left,seq_pop_right,seq_push,seq_put_left,%
1219    seq_put_right,seq_rand_item,seq_remove_all,seq_remove_duplicates,%
1220    seq_reverse,seq_set_eq,seq_set_filter,seq_set_from_clist,%
1221    seq_set_from_function,seq_set_from_inline_x,seq_set_item,seq_set_map
        ,%
1222    seq_set_map_x,seq_set_split,seq_set_split_keep_spaces,seq_show,%
1223    seq_shuffle,seq_sort,seq_use,skip_add,skip_const,skip_eval,%
```

```
1224        skip_gadd, skip_gset, skip_gset_eq, skip_gsub, skip_gzero,%
1225        skip_gzero_new, skip_horizontal, skip_if_eq, skip_if_eq_p,%
1226        skip_if_exist, skip_if_exist_p, skip_if_finite, skip_if_finite_p,%
1227        skip_log, skip_new, skip_set, skip_set_eq, skip_show, skip_sub,%
1228        skip_use, skip_vertical, skip_zero, skip_zero_new, sort_return_same,%
1229        sort_return_swapped, str_case, str_case_e, str_clear, str_clear_new,%
1230        str_compare, str_compare_p, str_concat, str_const, str_convert_pdfname,%
1231        str_count, str_count_ignore_spaces, str_count_spaces, str_foldcase,%
1232        str_gclear, str_gconcat, str_gput_left, str_gput_right, str_gremove_all,
            %
1233        str_gremove_once, str_greplace_all, str_greplace_once, str_gset,%
1234        str_gset_convert, str_gset_eq, str_head, str_head_ignore_spaces,%
1235        str_if_empty, str_if_empty_p, str_if_eq, str_if_eq_p, str_if_exist,%
1236        str_if_exist_p, str_if_in, str_item, str_item_ignore_spaces, str_log,%
1237        str_lowercase, str_map_break, str_map_function, str_map_inline,%
1238        str_map_tokens, str_map_variable, str_new, str_put_left, str_put_right,%
1239        str_range, str_range_ignore_spaces, str_remove_all, str_remove_once,%
1240        str_replace_all, str_replace_once, str_set, str_set_convert, str_set_eq,
            %
1241        str_show, str_tail, str_tail_ignore_spaces, str_uppercase, str_use,%
1242        sys_finalise, sys_get_shell, sys_gset_rand_seed, sys_if_engine_luatex,%
1243        sys_if_engine_luatex_p, sys_if_engine_pdftex, sys_if_engine_pdftex_p,%
1244        sys_if_engine_ptex, sys_if_engine_ptex_p, sys_if_engine_uptex,%
1245        sys_if_engine_uptex_p, sys_if_engine_xetex, sys_if_engine_xetex_p,%
1246        sys_if_output_dvi, sys_if_output_dvi_p, sys_if_output_pdf,%
1247        sys_if_output_pdf_p, sys_if_platform_unix, sys_if_platform_unix_p,%
1248        sys_if_platform_windows, sys_if_platform_windows_p, sys_if_rand_exist,
            %
1249        sys_if_rand_exist_p, sys_if_shell, sys_if_shell_p,%
1250        sys_if_shell_restricted, sys_if_shell_restricted_p,%
1251        sys_if_shell_unrestricted, sys_if_shell_unrestricted_p,%
1252        sys_load_backend, sys_load_debug, sys_rand_seed, sys_shell_now,%
1253        sys_shell_shipout, sys_timer, text_declare_expand_equivalent,%
1254        text_declare_purify_equivalent, text_expand, text_lowercase,%
1255        text_purify, text_titlecase, text_titlecase_first, text_uppercase,%
1256        tl_analysis_log, tl_analysis_map_inline, tl_analysis_show,%
1257        tl_build_begin, tl_build_clear, tl_build_end, tl_build_gbegin,%
1258        tl_build_gclear, tl_build_gend, tl_build_get, tl_build_gput_left,%
1259        tl_build_gput_right, tl_build_put_left, tl_build_put_right, tl_case,%
1260        tl_clear, tl_clear_new, tl_concat, tl_const, tl_count, tl_count_tokens,%
1261        tl_gclear, tl_gclear_new, tl_gconcat, tl_gput_left, tl_gput_right,%
1262        tl_gremove_all, tl_gremove_once, tl_greplace_all, tl_greplace_once,%
1263        tl_greverse, tl_gset, tl_gset_eq, tl_gset_rescan, tl_gsort,%
1264        tl_gtrim_spaces, tl_head, tl_if_blank, tl_if_blank_p, tl_if_empty,%
1265        tl_if_empty_p, tl_if_eq, tl_if_eq_p, tl_if_exist, tl_if_exist_p,%
1266        tl_if_head_eq_catcode, tl_if_head_eq_catcode_p, tl_if_head_eq_charcode
            ,%
1267        tl_if_head_eq_charcode_p, tl_if_head_eq_meaning,%
1268        tl_if_head_eq_meaning_p, tl_if_head_is_N_type, tl_if_head_is_N_type_p,
            %
1269        tl_if_head_is_group, tl_if_head_is_group_p, tl_if_head_is_space,%
1270        tl_if_head_is_space_p, tl_if_in, tl_if_novalue, tl_if_novalue_p,%
```

```
1271        tl_if_single,tl_if_single_p,tl_if_single_token,tl_if_single_token_p,%
1272        tl_item,tl_log,tl_map_break,tl_map_function,tl_map_inline,%
1273        tl_map_tokens,tl_map_variable,tl_new,tl_put_left,tl_put_right,%
1274        tl_rand_item,tl_range,tl_range_braced,tl_range_unbraced,%
1275        tl_remove_all,tl_remove_once,tl_replace_all,tl_replace_once,%
1276        tl_rescan,tl_reverse,tl_reverse_items,tl_set,tl_set_eq,%
1277        tl_set_rescan,tl_show,tl_sort,tl_tail,tl_to_str,tl_trim_spaces,%
1278        tl_trim_spaces_apply,tl_use,token_case_catcode,token_case_charcode,%
1279        token_case_meaning,token_if_active,token_if_active_p,%
1280        token_if_alignment,token_if_alignment_p,token_if_chardef,%
1281        token_if_chardef_p,token_if_cs,token_if_cs_p,token_if_dim_register,%
1282        token_if_dim_register_p,token_if_eq_catcode,token_if_eq_catcode_p,%
1283        token_if_eq_charcode,token_if_eq_charcode_p,token_if_eq_meaning,%
1284        token_if_eq_meaning_p,token_if_expandable,token_if_expandable_p,%
1285        token_if_font_selection,token_if_font_selection_p,%
1286        token_if_group_begin,token_if_group_begin_p,token_if_group_end,%
1287        token_if_group_end_p,token_if_int_register,token_if_int_register_p,%
1288        token_if_letter,token_if_letter_p,token_if_long_macro,%
1289        token_if_long_macro_p,token_if_macro,token_if_macro_p,%
1290        token_if_math_subscript,token_if_math_subscript_p,%
1291        token_if_math_superscript,token_if_math_superscript_p,%
1292        token_if_math_toggle,token_if_math_toggle_p,token_if_mathchardef,%
1293        token_if_mathchardef_p,token_if_muskip_register,%
1294        token_if_muskip_register_p,token_if_other,token_if_other_p,%
1295        token_if_parameter,token_if_parameter_p,token_if_primitive,%
1296        token_if_primitive_p,token_if_protected_long_macro,%
1297        token_if_protected_long_macro_p,token_if_protected_macro,%
1298        token_if_protected_macro_p,token_if_skip_register,%
1299        token_if_skip_register_p,token_if_space,token_if_space_p,%
1300        token_if_toks_register,token_if_toks_register_p,token_to_meaning,%
1301        token_to_str,unvcopy,use,use_i,use_i_delimit_by_q_nil,%
1302        use_i_delimit_by_q_recursion_stop,use_i_delimit_by_q_stop,use_i_ii,%
1303        use_ii,use_ii_i,use_iii,use_iv,use_none,use_none_delimit_by_q_nil,%
1304        use_none_delimit_by_q_recursion_stop,use_none_delimit_by_q_stop,%
1305        use_none_delimit_by_s_stop,vbox,vbox_gset,vbox_gset_end,%
1306        vbox_gset_split_to_ht,vbox_gset_to_ht,vbox_gset_top,vbox_set,%
1307        vbox_set_end,vbox_set_split_to_ht,vbox_set_to_ht,vbox_set_top,%
1308        vbox_to_ht,vbox_to_zero,vbox_top,vbox_unpack,vbox_unpack_drop,%
1309        vcoffin_gset,vcoffin_gset_end,vcoffin_set,vcoffin_set_end,%
1310    },%
1311    % Keywords of class 1 : keywords that contain other characters (since
1312    % of the same class as the ones specified as 'otherkeywords')
1313    morekeywords={%
1314    },%
1315    % Keywords of class 2 : environments names
1316    morekeywords=[2]{%
1317    },%
1318    % Keywords of class 3 : mandatory arguments (not environments) &
1319    % optional arguments which are keys (in key=value)
1320    morekeywords=[3]{%
1321      name,alternative-model,alternative-values,%
```

```
1322        },%
1323        % Keywords of class 4 : values of keys (in key=value)
1324        morekeywords=[4]{%
1325          cmyk,%
1326        },%
1327        % Keywords of class 5 : arguments specifications (after ":" in expl3
1328        % syntax)
1329        morekeywords=[5]{%
1330          D,N,Nn,NF,NN,Nx,NT,NTF,NNn,NnV,Nnn,Npn,Nnnn,V,c,e,en,f,n,nF,%
1331          nn,nT,nnn,nnF,nnV,nTF,nnnn,nNnF,nNnT,nnVV,o,p,v,w,x,nnTF,%
1332        },%
1333        % Keywords of class 6 : current package name (and possibly derived
1334        % packages)
1335        morekeywords=[6]{%
1336          expl3,%
1337        },
1338        otherkeywords={:,~},%
1339        alsoletter={_-.},%
1340        % alsodigit={},%
1341        % alsoother={},%
1342        sensitive,%
1343      }[keywords,tex,comments]%
1344
1345      \lst@definelanguage[pdftex]{TeX}{%
1346        % Control sequences names
1347        moretexcs={%
1348          pdfinfo,pdfcatalog,pdfpageattr,pdfpagesattr,pdfpageresources,%
1349          pdfcolorstack,%
1350        },%
1351        % Keywords of class 1 : keywords that contain other characters (since
1352        % of the same class as the ones specified as 'otherkeywords')
1353        morekeywords={%
1354        },%
1355        % Keywords of class 2 : environments names
1356        morekeywords=[2]{%
1357        },%
1358        % Keywords of class 3 : mandatory arguments (not environments) &
1359        % optional arguments which are keys (in key=value)
1360        morekeywords=[3]{%
1361        },%
1362        % Keywords of class 4 : values of keys (in key=value)
1363        morekeywords=[4]{%
1364        },%
1365        % Keywords of class 5 : arguments specifications (after ":" in expl3
1366        % syntax)
1367        morekeywords=[5]{%
1368        },%
1369        % Keywords of class 6 : current package name (and possibly derived
1370        % packages)
1371        morekeywords=[6]{%
1372          pdftex,%
1373        },%
```

```
1374      % otherkeywords={},
1375      % alsoletter={},
1376      % alsodigit={},%
1377      % alsoother={},%
1378      sensitive,%
1379    }[keywords,tex,comments]%
1380
1381    \lst@definelanguage[luatex]{TeX}{%
1382      % Control sequences names
1383      moretexcs={%
1384        pdfextension,ifluatex,directlua,%
1385      },%
1386      % Keywords of class 1 : keywords that contain other characters (since
1387      % of the same class as the ones specified as 'otherkeywords')
1388      morekeywords={%
1389      },%
1390      % Keywords of class 2 : environments names
1391      morekeywords=[2]{%
1392      },%
1393      % Keywords of class 3 : mandatory arguments (not environments) &
1394      % optional arguments which are keys (in key=value)
1395      morekeywords=[3]{%
1396        colorstack },%
1397      % Keywords of class 4 : values of keys (in key=value)
1398      morekeywords=[4]{%
1399      },%
1400      % Keywords of class 5 : arguments specifications (after ":" in expl3
1401      % syntax)
1402      morekeywords=[5]{%
1403      },%
1404      % Keywords of class 6 : current package name (and possibly derived
1405      % packages)
1406      morekeywords=[6]{%
1407        luatex,%
1408      },%
1409      % otherkeywords={},
1410      % alsoletter={},
1411      % alsodigit={},%
1412      % alsoother={},%
1413      sensitive,%
1414    }[keywords,tex,comments]%
1415
1416    \lst@definelanguage[dvips]{TeX}{%
1417      % Control sequences names
1418      moretexcs={%
1419      },%
1420      % Keywords of class 1 : keywords that contain other characters (since
1421      % of the same class as the ones specified as 'otherkeywords')
1422      morekeywords={%
1423      },%
1424      % Keywords of class 2 : environments names
1425      morekeywords=[2]{%
```

```
1426      },%
1427      % Keywords of class 3 : mandatory arguments (not environments) &
1428      % optional arguments which are keys (in key=value)
1429      morekeywords=[3]{%
1430        color,push,%
1431      },%
1432      % Keywords of class 4 : values of keys (in key=value)
1433      morekeywords=[4]{%
1434      },%
1435      % Keywords of class 5 : arguments specifications (after ":" in expl3
1436      % syntax)
1437      morekeywords=[5]{%
1438      },%
1439      % Keywords of class 6 : current package name (and possibly derived
1440      % packages)
1441      morekeywords=[6]{%
1442        dvips,%
1443      },%
1444      % otherkeywords={},
1445      % alsoletter={},
1446      % alsodigit={},%
1447      % alsoother={},%
1448      sensitive,%
1449    }[keywords,tex,comments]%
1450
1451    \lst@definelanguage[xetex]{TeX}{%
1452      % Control sequences names
1453      moretexcs={%
1454      },%
1455      % Keywords of class 1 : keywords that contain other characters (since
1456      % of the same class as the ones specified as 'otherkeywords')
1457      morekeywords={%
1458      },%
1459      % Keywords of class 2 : environments names
1460      morekeywords=[2]{%
1461      },%
1462      % Keywords of class 3 : mandatory arguments (not environments) &
1463      % optional arguments which are keys (in key=value)
1464      morekeywords=[3]{%
1465        pdfcolorstack,%
1466      },%
1467      % Keywords of class 4 : values of keys (in key=value)
1468      morekeywords=[4]{%
1469      },%
1470      % Keywords of class 5 : arguments specifications (after ":" in expl3
1471      % syntax)
1472      morekeywords=[5]{%
1473      },%
1474      % Keywords of class 6 : current package name (and possibly derived
1475      % packages)
1476      morekeywords=[6]{%
1477        xetex,%
```

```
1478      },%
1479      % otherkeywords={},
1480      % alsoletter={},
1481      % alsodigit={},%
1482      % alsoother={},%
1483      sensitive,%
1484  }[keywords,tex,comments]%
1485
1486  \lst@definelanguage[inputenc]{TeX}{%
1487    % Control sequences names
1488    moretexcs={%
1489    },%
1490    % Keywords of class 1 : keywords that contain other characters (since
1491    % of the same class as the ones specified as 'otherkeywords')
1492    morekeywords={%
1493    },%
1494    % Keywords of class 2 : environments names
1495    morekeywords=[2]{%
1496    },%
1497    % Keywords of class 3 : mandatory arguments (not environments) &
1498    % optional arguments which are keys (in key=value)
1499    morekeywords=[3]{%
1500      latin1 },%
1501    % Keywords of class 4 : values of keys (in key=value)
1502    morekeywords=[4]{%
1503    },%
1504    % Keywords of class 5 : arguments specifications (after ":" in expl3
1505    % syntax)
1506    morekeywords=[5]{%
1507    },%
1508    % Keywords of class 6 : current package name (and possibly derived
1509    % packages)
1510    morekeywords=[6]{%
1511      inputenc,%
1512    },%
1513    % otherkeywords={},%
1514    alsoletter={1},%
1515    % alsodigit={},%
1516    % alsoother={},%
1517    sensitive,%
1518  }[keywords,tex,comments]%
1519
1520  \lst@definelanguage[pdfmanagement-testphase]{TeX}{%
1521    % Control sequences names
1522    moretexcs={%
1523      pdfmanagement_add,DeclareDocumentMetadata,AddToDocumentProperties,%
1524      ShowDocumentProperties,GetDocumentProperties,%
1525    },%
1526    % Keywords of class 1 : keywords that contain other characters (since
1527    % of the same class as the ones specified as 'otherkeywords')
1528    morekeywords={%
1529    },%
```

```
1530        % Keywords of class 2 : environments names
1531        morekeywords=[2]{%
1532        },%
1533        % Keywords of class 3 : mandatory arguments (not environments) &
1534        % optional arguments which are keys (in key=value)
1535        morekeywords=[3]{% Keys or optional arguments
1536          pdfmanagement-testphase,uncompress,geometry,top-level,backend,Info,%
1537          ThisPage,pdfversion,pdfstandard,paper,topic,Title,Rotate,%
1538        },%
1539        % Keywords of class 4 : values of keys (in key=value)
1540        morekeywords=[4]{%
1541          dvipdfmx,%
1542        },%
1543        % Keywords of class 5 : arguments specifications (after ":" in expl3
1544        % syntax)
1545        morekeywords=[5]{%
1546          nnn,%
1547        },%
1548        % Keywords of class 6 : current package name (and possibly derived
1549        % packages)
1550        morekeywords=[6]{%
1551          pdfmanagement-testphase,%
1552        },
1553        otherkeywords={:},%
1554        alsoletter={_-},%
1555        % alsodigit={},%
1556        % alsoother={},%
1557        sensitive,%
1558      }[keywords,tex,comments]%
1559
1560      \lst@definelanguage[rotating]{TeX}{%
1561        % Control sequences names
1562        moretexcs={%
1563        },%
1564        % Keywords of class 1 : keywords that contain other characters (since
1565        % of the same class as the ones specified as 'otherkeywords')
1566        morekeywords={%
1567        },%
1568        % Keywords of class 2 : environments names
1569        morekeywords=[2]{%
1570          sidewaystable,%
1571        },%
1572        % Keywords of class 3 : mandatory arguments (not environments) &
1573        % optional arguments which are keys (in key=value)
1574        morekeywords=[3]{%
1575        },%
1576        % Keywords of class 4 : values of keys (in key=value)
1577        morekeywords=[4]{%
1578        },%
1579        % Keywords of class 5 : arguments specifications (after ":" in expl3
1580        % syntax)
1581        morekeywords=[5]{%
```

```
1582        },%
1583        % Keywords of class 6 : current package name (and possibly derived
1584        % packages)
1585        morekeywords=[6]{%
1586          rotating,%
1587        },%
1588        % alsoletter={},
1589        % alsodigit={},%
1590        % alsoother={},%
1591        sensitive,%
1592      }[keywords,tex,comments]%
1593
1594      \lst@definelanguage[fontenc]{TeX}%
1595      {%
1596        % Control sequences names
1597        moretexcs={%
1598        },%
1599        % Keywords of class 1 : keywords that contain other characters (since
1600        % of the same class as the ones specified as 'otherkeywords')
1601        morekeywords={%
1602        },%
1603        % Keywords of class 2 : environments names
1604        morekeywords=[2]{%
1605        },%
1606        % Keywords of class 3 : mandatory arguments (not environments) &
1607        % optional arguments which are keys (in key=value)
1608        morekeywords=[3]{%
1609          T1 },%
1610        % Keywords of class 4 : values of keys (in key=value)
1611        morekeywords=[4]{%
1612        },%
1613        % Keywords of class 5 : arguments specifications (after ":" in expl3
1614        % syntax)
1615        morekeywords=[5]{%
1616        },%
1617        % Keywords of class 6 : current package name (and possibly derived
1618        % packages)
1619        morekeywords=[6]{%
1620          fontenc,%
1621        },%
1622        % otherkeywords={},
1623        % alsoletter={1},%
1624        alsodigit={1},%
1625        % alsoother={},%
1626        sensitive,%
1627      }[keywords,tex,comments]%
1628
1629      \lst@definelanguage[babel]{TeX}%
1630      {%
1631        % Control sequences names
1632        moretexcs={%
1633          foreignlanguage,selectlanguage,iflanguage,%
```

```
1634        },%
1635        % Keywords of class 1 : keywords that contain other characters (since
1636        % of the same class as the ones specified as 'otherkeywords')
1637        morekeywords={%
1638        },%
1639        % Keywords of class 2 : environments names
1640        morekeywords=[2]{%
1641          otherlanguage,%
1642        },%
1643        % Keywords of class 3 : mandatory arguments (not environments) &
1644        % optional arguments which are keys (in key=value)
1645        morekeywords=[3]{%
1646        },%
1647        % Keywords of class 4 : values of keys (in key=value)
1648        morekeywords=[4]{%
1649          UKenglish,USenglish,acadian,afrikaans,american,arabic,australian,%
1650          austrian,azerbaijani,bahasa,bahasai,basque,bgreek,brazil,%
1651          brazilian,breton,british,bulgarian,canadian,canadien,catalan,%
1652          croatian,czech,danish,dutch,english,esperanto,estonian,ethiop,%
1653          farsi,finnish,francais,french,frenchle,friulan,galician,german,%
1654          germanb,greek,hebrew,hindi,ibygreek,icelandic,indon,indonesian,%
1655          interlingua,irish,italian,japanese,latin,latvian,lithuanian,%
1656          lowersorbian,magyar,malay,melayu (bahasam),mongolian,naustrian,%
1657          newzealand,ngerman,norsk,nynorsk,pinyin,polish,polutonikogreek,%
1658          portuges,portuguese,romanian,romansh,russian,samin,scottish,%
1659          serbian,serbianc,slovak,slovene,spanglish,spanish,swedish,thai,%
1660          thaicjk,turkish,turkmen,ukrainian,uppersorbian,vietnamese,%
1661          welsh,%
1662        },%
1663        % Keywords of class 5 : arguments specifications (after ":" in expl3
1664        % syntax)
1665        morekeywords=[5]{%
1666        },%
1667        % Keywords of class 6 : current package name (and possibly derived
1668        % packages)
1669        morekeywords=[6]{%
1670          babel,%
1671        },%
1672        % otherkeywords={},
1673        % alsoletter={},
1674        % alsodigit={},%
1675        % alsoother={},%
1676        sensitive,%
1677      }[keywords,tex,comments]%
1678
1679      \lst@definelanguage[babel-french]{TeX}%
1680      {%
1681        % Control sequences names
1682        moretexcs={%
1683          og,fg,up,bsc,ier,iers,iere,ieres,ieme,iemes,primo,secundo,%
1684          tertio,quarto,FrenchEnumerate,No,Nos,no,nos,degre,nombre,%
1685          frenchabstractname,frenchbibname,frenchrefname,frenchprefacename,%
```

```
1686        frenchchaptername,frenchappendixname,frenchcontentsname,%
1687        frenchlistfigurename,frenchlisttablename,frenchindexname,%
1688        frenchglossaryname,frenchfigurename,frenchtablename,frenchpartname,%
1689        frenchenclname,frenchccname,frenchheadtoname,frenchpagename,%
1690        frenchseename,frenchalsoname,frenchproofname%,%
1691        frquote,%
1692      },%
1693      % Keywords of class 1 : keywords that contain other characters (since
1694      % of the same class as the ones specified as 'otherkeywords')
1695      morekeywords={%
1696      },%
1697      % Keywords of class 2 : environments names
1698      morekeywords=[2]{%
1699      },%
1700      % Keywords of class 3 : mandatory arguments (not environments) &
1701      % optional arguments which are keys (in key=value)
1702      morekeywords=[3]{%
1703      },%
1704      % Keywords of class 4 : values of keys (in key=value)
1705      morekeywords=[4]{%
1706      },%
1707      % Keywords of class 5 : arguments specifications (after ":" in expl3
1708      % syntax)
1709      morekeywords=[5]{%
1710      },%
1711      % Keywords of class 6 : current package name (and possibly derived
1712      % packages)
1713      morekeywords=[6]{%
1714        babel-french,%
1715      },%
1716      % otherkeywords={},%
1717      alsoletter={-},%
1718      % alsodigit={},%
1719      % alsoother={},%
1720      sensitive,%
1721    }[keywords,tex,comments]%
1722
1723    \lst@definelanguage[kantlipsum]{TeX}{%
1724      % Control sequences names
1725      moretexcs={%
1726        kant,%
1727      },%
1728      % Keywords of class 1 : keywords that contain other characters (since
1729      % of the same class as the ones specified as 'otherkeywords')
1730      morekeywords={%
1731      },%
1732      % Keywords of class 2 : environments names
1733      morekeywords=[2]{%
1734      },%
1735      % Keywords of class 3 : mandatory arguments (not environments) &
1736      % optional arguments which are keys (in key=value)
1737      morekeywords=[3]{%
```

```
1738      },%
1739      % Keywords of class 4 : values of keys (in key=value)
1740      morekeywords=[4]{%
1741      },%
1742      % Keywords of class 5 : arguments specifications (after ":" in expl3
1743      % syntax)
1744      morekeywords=[5]{%
1745      },%
1746      % Keywords of class 6 : current package name (and possibly derived
1747      % packages)
1748      morekeywords=[6]{%
1749        kantlipsum,%
1750      },%
1751      % otherkeywords={},
1752      % alsoletter={},
1753      % alsodigit={},%
1754      % alsoother={},%
1755      sensitive,%
1756    }[keywords,tex,comments]%
1757
1758    \lst@definelanguage[hyperxmp]{TeX}{%
1759      % Control sequences names
1760      moretexcs={%
1761      },%
1762      % Keywords of class 1 : keywords that contain other characters (since
1763      % of the same class as the ones specified as 'otherkeywords')
1764      morekeywords={%
1765      },%
1766      % Keywords of class 2 : environments names
1767      morekeywords=[2]{%
1768      },%
1769      % Keywords of class 3 : mandatory arguments (not environments) &
1770      % optional arguments which are keys (in key=value)
1771      morekeywords=[3]{%
1772      },%
1773      % Keywords of class 4 : values of keys (in key=value)
1774      morekeywords=[4]{%
1775      },%
1776      % Keywords of class 5 : arguments specifications (after ":" in expl3
1777      % syntax)
1778      morekeywords=[5]{%
1779      },%
1780      % Keywords of class 6 : current package name (and possibly derived
1781      % packages)
1782      morekeywords=[6]{%
1783        hyperxmp,%
1784      },%
1785      % otherkeywords={},
1786      % alsoletter={},
1787      % alsodigit={},%
1788      % alsoother={},%
1789      sensitive,%
```

```
1790    }[keywords,tex,comments]%
1791
1792    \lst@definelanguage[hyperref]{TeX}{%
1793      % Control sequences names
1794      moretexcs={%
1795        hypersetup,href,phantomsection,pdfstringdefDisableCommands,url,%
1796        nolinkurl,hyperbaseurl,hyperimage,hyperdef,hyperref,hyperlink,%
1797        hypertarget,hyperget,autoref,autopageref,ref*,pageref*,autoref*,%
1798        autopageref*,pdfstringdef,pdfbookmark,currentpdfbookmark,%
1799        subpdfbookmark,belowpdfbookmark,texorpdfstring,thispdfpagelabel,%
1800        hypercalcbp,nameref,%
1801      },%
1802      % Keywords of class 1 : keywords that contain other characters (since
1803      % of the same class as the ones specified as 'otherkeywords')
1804      morekeywords={%
1805      },%
1806      % Keywords of class 2 : environments names
1807      morekeywords=[2]{%
1808      },%
1809      % Keywords of class 3 : mandatory arguments (not environments) &
1810      % optional arguments which are keys (in key=value)
1811      morekeywords=[3]{%
1812        allbordercolors,allcolors,anchorcolor,backref,baseurl,bookmarks,%
1813        bookmarksnumbered,bookmarksopen,bookmarksopenlevel,bookmarkstype,%
1814        breaklinks,CJKbookmarks,citebordercolor,citecolor,colorlinks,debug,%
1815        destlabel,draft,driverfallback,dvipdfm,dvipdfmx,dvips,dvipsone,%
1816        dviwindo,encap,extension,filebordercolor,filecolor,final,%
1817        frenchlinks,hidelinks,hyperfigures,hyperfootnotes,hyperindex,%
1818        hypertex,hypertexnames,implicit,latex2html,linkbordercolor,%
1819        linkcolor,linktoc,linktocpage,menubordercolor,menucolor,nativepdf,%
1820        naturalnames,nesting,next-anchor,pageanchor,pagebackref,pdfauthor,%
1821        pdfborder,pdfborderstyle,pdfcenterwindow,pdfcreator,pdfdirection,%
1822        pdfdisplaydoctitle,pdfduplex,pdffitwindow,pdfhighlight,pdfinfo,%
1823        pdfkeywords,pdflang,pdfmark,pdfmenubar,pdfnewwindow,%
1824        pdfnonfullscreenpagemode,pdfnumcopies,pdfpagelabels,pdfpagelayout,%
1825        pdfpagemode,pdfpagescrop,pdfpagetransition,pdfpicktraybypdfsize,%
1826        pdfprintarea,pdfprintclip,pdfprintpagerange,pdfprintscaling,%
1827        pdfproducer,pdfremotestartview,pdfstartpage,pdfstartview,pdfsubject,%
1828        pdftex,pdftitle,pdftoolbar,pdftrapped,pdfview,pdfviewarea,%
1829        pdfviewclip,pdfwindowui,plainpages,ps2pdf,psdextra,raiselinks,%
1830        runbordercolor,runcolor,setpagesize,tex4ht,textures,unicode,%
1831        urlbordercolor,urlcolor,verbose,vtex,xetex,%
1832      },%
1833      % Keywords of class 4 : values of keys (in key=value)
1834      morekeywords=[4]{%
1835      },%
1836      % Keywords of class 5 : arguments specifications (after ":" in expl3
1837      % syntax)
1838      morekeywords=[5]{%
1839      },%
1840      % Keywords of class 6 : current package name (and possibly derived
```

```
1841      % packages)
1842      morekeywords=[6]{%
1843        hyperref,%
1844      },%
1845      % otherkeywords={},%
1846      alsoletter={*},%
1847      % alsodigit={},%
1848      % alsoother={},%
1849      sensitive,%
1850    }[keywords,tex,comments]%
1851
1852    \lst@definelanguage[graphicx]{TeX}{%
1853      % Control sequences names
1854      moretexcs={%
1855        includegraphics,includegraphics*,definecolor,color,textcolor,%
1856        mathcolor,pagecolor,nopagecolor,colorbox,fcolorbox,rotatebox,%
1857        scalebox,reflectbox,resizebox,resizebox*,graphicspath,%
1858        DeclareGraphicsExtensions,DeclareGraphicsRule },%
1859      % Keywords of class 1 : keywords that contain other characters (since
1860      % of the same class as the ones specified as 'otherkeywords')
1861      morekeywords={%
1862      },%
1863      % Keywords of class 2 : environments names
1864      morekeywords=[2]{%
1865      },%
1866      % Keywords of class 3 : mandatory arguments (not environments) &
1867      % optional arguments which are keys (in key=value)
1868      morekeywords=[3]{%
1869        draft,final,hiresbb,demo,setpagesize,nosetpagesize,dvips,xdvi,%
1870        dvipdf,dvipdfm,dvipdfmx,xetex,pdftex,luatex,dvisvgm,dvipsone,%
1871        dviwindo,emtex,dviwin,oztex,textures,pctexps,pctexwin,pctexhp,%
1872        pctex32,truetex,tcidvi,vtex,debugshow,hiderotate,hidescale,alt,%
1873        %
1874        bb,bbllx,bblly,bburx,bbury,natwidth,natheight,hiresbb,pagebox,%
1875        viewport,trim,angle,origin,width,height,totalheight,%
1876        keepaspectratio,scale,clip,draft,type,ext,read,command,quiet,%
1877        page,interpolate,decodearray,origin,x,y,units,%
1878      },%
1879      % Keywords of class 4 : values of keys (in key=value)
1880      morekeywords=[4]{%
1881        mediabox,cropbox,bleedbox,trimbox,artbox,true,false,%
1882      },%
1883      % Keywords of class 5 : arguments specifications (after ":" in expl3
1884      % syntax)
1885      morekeywords=[5]{%
1886      },%
1887      % Keywords of class 6 : current package name (and possibly derived
1888      % packages)
1889      morekeywords=[6]{%
1890        graphicx,%
1891      },%
1892      % otherkeywords={},%
```

```
1893      alsoletter={23},%
1894    % alsodigit={},%
1895    % alsoother={},%
1896      sensitive,%
1897    }[keywords,tex,comments]%
1898
1899    \lst@definelanguage[geometry]{TeX}{%
1900    % Control sequences names
1901      moretexcs={%
1902        geometry,newgeometry,restoregeometry,savegeometry,loadgeometry,%
1903      },%
1904    % Keywords of class 1 : keywords that contain other characters (since
1905    % of the same class as the ones specified as 'otherkeywords')
1906      morekeywords={%
1907      },%
1908    % Keywords of class 2 : environments names
1909      morekeywords=[2]{%
1910      },%
1911    % Keywords of class 3 : mandatory arguments (not environments) &
1912    % optional arguments which are keys (in key=value)
1913      morekeywords=[3]{%
1914        paper,papername,paperwidth,paperheight,papersize,landscape,%
1915        portrait,layout,layoutwidth,layoutheight,layoutsize,layoutoffset,%
1916        layoutvoffset,layoutoffset,hscale,vscale,scale,width,totalwidth,%
1917        height,totalheight,total,textwidth,textheight,text,body,lines,%
1918        includehead,includefoot,includeheadfoot,includemp,includeall,%
1919        ignorehead,ignorefoot,ignoreheadfoot,ignoremp,ignoreall,%
1920        heightrounded,hdivide,vdivide,divide,left,lmargin,inner,right,%
1921        rmargin,outer,top,tmargin,bottom,bmargin,hmargin,vmargin,margin,%
1922        hmarginratio,vmarginratio,marginratio,ratio,hcentering,vcentering,%
1923        centering,twoside,asymmetric,headheight,head,headsep,footskip,%
1924        foot,nohead,nofoot,noheadfoot,footnotesep,marginparwidth,%
1925        marginparsep,nomarginpar,columnsep,hoffset,voffset,offset,%
1926        twocolumn,onecolumn,reversemp,reversemarginpar,verbose,reset,mag,%
1927        truedimen,pass,showframe,showcrop,%
1928      },%
1929    % Keywords of class 4 : values of keys (in key=value)
1930      morekeywords=[4]{%
1931        a0paper,a1paper,a2paper,a3paper,a4paper,a5paper,a6paper,b0paper,%
1932        b1paper,b2paper,b3paper,b4paper,b5paper,b6paper,c0paper,c1paper,%
1933        c2paper,c3paper,c4paper,c5paper,c6paper,b0j,b1j,b2j,b3j,b4j,%
1934        b5j,b6j,ansiapaper,ansibpaper,ansicpaper,ansidpaper,ansiepaper,%
1935        letterpaper,executivepaper,legalpaper,screen,dvips,dvipdfm,pdftex,%
1936        luatex,xetex,vtex,dvipdfmx,xdvipdfmx,%
1937      },%
1938    % Keywords of class 5 : arguments specifications (after ":" in expl3
1939    % syntax)
1940      morekeywords=[5]{%
1941      },%
1942    % Keywords of class 6 : current package name (and possibly derived
1943    % packages)
1944      morekeywords=[6]{%
```

```
1945        geometry,%
1946      },%
1947      % otherkeywords={},%
1948      alsoletter={0123456},%
1949      % alsodigit={},%
1950      % alsoother={},%
1951      sensitive,%
1952    }[keywords,tex,comments]%
1953
1954    \lst@definelanguage[newpax]{TeX}{%
1955      % Control sequences names
1956      moretexcs={%
1957        newpaxsetup,%
1958      },%
1959      % Keywords of class 1 : keywords that contain other characters (since
1960      % of the same class as the ones specified as 'otherkeywords')
1961      morekeywords={%
1962      },%
1963      % Keywords of class 2 : environments names
1964      morekeywords=[2]{%
1965      },%
1966      % Keywords of class 3 : mandatory arguments (not environments) &
1967      % optional arguments which are keys (in key=value)
1968      morekeywords=[3]{%
1969        addannots,%
1970      },%
1971      % Keywords of class 4 : values of keys (in key=value)
1972      morekeywords=[4]{%
1973        false,%
1974      },%
1975      % Keywords of class 5 : arguments specifications (after ":" in expl3
1976      % syntax)
1977      morekeywords=[5]{%
1978      },%
1979      % Keywords of class 6 : current package name (and possibly derived
1980      % packages)
1981      morekeywords=[6]{%
1982        newpax,%
1983      },%
1984      % otherkeywords={},
1985      % alsoletter={},
1986      % alsodigit={},%
1987      % alsoother={},%
1988      sensitive,%
1989    }[keywords,tex,comments]%
1990
1991    \lst@definelanguage[tikz]{TeX}{%
1992      % Control sequences names
1993      moretexcs={%
1994        usetikzlibrary,draw,node,matrix,fill,foreach,tikz,pgfmathsetmacro,%
1995        path,%
1996      },%
```

```
1997        % Keywords of class 1 : keywords that contain other characters (since
1998        % of the same class as the ones specified as 'otherkeywords')
1999        morekeywords={%
2000        },%
2001        % Keywords of class 2 : environments names
2002        morekeywords=[2]{%
2003          tikzpicture,%
2004        },%
2005        % Keywords of class 3 : mandatory arguments (not environments) &
2006        % optional arguments which are keys (in key=value)
2007        morekeywords=[3]{%
2008          pic,rotate,xshift,yshift,every node,inner sep,blend mode,fill,%
2009          fit,circle,anchor,in,count,x,y,matrix,of,math,nodes,above right,%
2010          at,--,-|,|-,thick,size,angle,circle,through,intersection,of,%
2011          draw,coordinate,shift,and,cycle,cs:A,node,barycentric,%
2012        },%
2013        % Keywords of class 4 : values of keys (in key=value)
2014        morekeywords=[4]{%
2015          multiply,lightgray,base,red%
2016        },%
2017        % Keywords of class 5 : arguments specifications (after ":" in expl3
2018        % syntax)
2019        morekeywords=[5]{%
2020        },%
2021        % Keywords of class 6 : current package name (and possibly derived
2022        % packages)
2023        morekeywords=[6]{%
2024          tikz,%
2025        },%
2026        % otherkeywords={},%
2027        alsoletter={-| \ :},%
2028        % alsodigit={},%
2029        % alsoother={},%
2030        sensitive,%
2031      }[keywords,tex,comments]%
2032
2033      \lst@definelanguage[tikzducks]{TeX}{%
2034        % Control sequences names
2035        moretexcs={%
2036          duck,%
2037        },%
2038        % Keywords of class 1 : keywords that contain other characters (since
2039        % of the same class as the ones specified as 'otherkeywords')
2040        morekeywords={%
2041        },%
2042        % Keywords of class 2 : environments names
2043        morekeywords=[2]{%
2044        },%
2045        % Keywords of class 3 : mandatory arguments (not environments) &
2046        % optional arguments which are keys (in key=value)
2047        morekeywords=[3]{%
2048          alien,aodai,baguette,basket,beard,beret,bill,body,book,%
```

```
2049        bookcolour,bowtie,bubblecolour,bunny,buttons,cake,cap,cape,%
2050        cheese,chef,cocktail,conicalhat,crazyhair,cricket,crown,crozier,%
2051        crystalball,darthvader,devil,easter,egga,eggb,eggc,eye,eyebrow,%
2052        flavoura,flavourb,flavourc,football,glasses,graduate,grumpy,%
2053        handbag,harlequin,hat,head,helmet,hockey,horsetail,icecream,%
2054        inear,invisible,jacket,kingcrown,lapel,laughing,lightsaber,%
2055        longhair,magichat,magicstars,magicwand,mask,milkshake,mohican,%
2056        mullet,name,neckerchief,necklace,niuqelrah,overleaf,parrot,%
2057        parting,peakedcap,pickaxe,pizza,prison,queencrown,recedinghair,%
2058        ribbon,rollingpin,sailor,santa,sheep,shorthair,shovel,signback,%
2059        signcolour,signpost,snowduck,speech,squareglasses,stethoscope,%
2060        strawhat,sunglasses,tail,tassel,think,tie,tophat,torch,tshirt,%
2061        umbrella,umbrellaclosed,unicorn,vampire,viking,water,wine,wing,%
2062        witch,woggle,%
2063      },%
2064      % Keywords of class 4 : values of keys (in key=value)
2065      morekeywords=[4]{%
2066        blue,green,red,yellow,%
2067      },%
2068      % Keywords of class 5 : arguments specifications (after ":" in expl3
2069      % syntax)
2070      morekeywords=[5]{%
2071      },%
2072      % Keywords of class 6 : current package name (and possibly derived
2073      % packages)
2074      morekeywords=[6]{%
2075        tikzducks,%
2076      },%
2077      % otherkeywords={},
2078      % alsoletter={},
2079      % alsodigit={},%
2080      % alsoother={},%
2081      sensitive,%
2082    }[keywords,tex,comments]%
2083
2084    \lst@definelanguage[tikzlings]{TeX}{%
2085      % Control sequences names
2086      moretexcs={%
2087        anteater,bear,bee,cat,chicken,coati,elephant,hippo,koala,%
2088        marmot,mole,mouse,owl,panda,penguin,pig,rhino,sheep,sloth,%
2089        squirrel,snowman,%
2090      },%
2091      % Keywords of class 1 : keywords that contain other characters (since
2092      % of the same class as the ones specified as 'otherkeywords')
2093      morekeywords={%
2094      },%
2095      % Keywords of class 2 : environments names
2096      morekeywords=[2]{%
2097      },%
2098      % Keywords of class 3 : mandatory arguments (not environments) &
2099      % optional arguments which are keys (in key=value)
2100      morekeywords=[3]{%
```

```
2101        3D,eye,contour,back,globalwarming,whiskers,schroedinger,%
2102      },%
2103      % Keywords of class 4 : values of keys (in key=value)
2104      morekeywords=[4]{%
2105      },%
2106      % Keywords of class 5 : arguments specifications (after ":" in expl3
2107      % syntax)
2108      morekeywords=[5]{%
2109      },%
2110      % Keywords of class 6 : current package name (and possibly derived
2111      % packages)
2112      morekeywords=[6]{%
2113        tikzlings,%
2114      },%
2115      % otherkeywords={},%
2116      alsoletter={3},%
2117      % alsodigit={},%
2118      % alsoother={},%
2119      sensitive,%
2120    }[keywords,tex,comments]%
2121
2122    \lst@definelanguage[amsmath]{TeX}{%
2123      % Control sequences names
2124      moretexcs={%
2125        cdots,ddots,vdots,%
2126      },%
2127      % Keywords of class 1 : keywords that contain other characters (since
2128      % of the same class as the ones specified as 'otherkeywords')
2129      morekeywords={%
2130      },%
2131      % Keywords of class 2 : environments names
2132      morekeywords=[2]{%
2133        pmatrix,%
2134      },%
2135      % Keywords of class 3 : mandatory arguments (not environments) &
2136      % optional arguments which are keys (in key=value)
2137      morekeywords=[3]{%
2138      },%
2139      % Keywords of class 4 : values of keys (in key=value)
2140      morekeywords=[4]{%
2141      },%
2142      % Keywords of class 5 : arguments specifications (after ":" in expl3
2143      % syntax)
2144      morekeywords=[5]{%
2145      },%
2146      % Keywords of class 6 : current package name (and possibly derived
2147      % packages)
2148      morekeywords=[6]{%
2149        amsmath,%
2150      },%
2151      % otherkeywords={},
2152      % alsoletter={},
```

```
2153      % alsodigit={},%
2154      % alsoother={},%
2155      sensitive,%
2156    }[keywords,tex,comments]%
2157
2158    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2159    % xparse
2160    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2161    \lst@definelanguage[xparse]{TeX}{%
2162      % Control sequences names
2163      moretexcs={%
2164        NewDocumentCommand,RenewDocumentCommand,ProvideDocumentCommand,%
2165        DeclareDocumentCommand,NewDocumentEnvironment,%
2166        RenewDocumentEnvironment,ProvideDocumentEnvironment,%
2167        DeclareDocumentEnvironment,NewExpandableDocumentCommand,%
2168        RenewExpandableDocumentCommand,ProvideExpandableDocumentCommand,%
2169        DeclareExpandableDocumentCommand,IfNoValueT,IfNoValueF,IfNoValueTF,%
2170        IfValueT,IfValueF,IfValueTF,IfBooleanT,IfBooleanF,IfBooleanTF,%
2171        BooleanTrue,BooleanFalse,ProcessedArgument,ReverseBoolean,%
2172        SplitArgument,SplitList,ProcessList,TrimSpaces,%
2173        GetDocumentCommandArgSpec,GetDocumentEnvironmentArgSpec,%
2174        ShowDocumentCommandArgSpec,ShowDocumentEnvironmentArgSpec,%
2175      },%
2176      % Keywords of class 1 : keywords that contain other characters (since
2177      % of the same class as the ones specified as 'otherkeywords')
2178      morekeywords={%
2179      },%
2180      % Keywords of class 2 : environments names
2181      morekeywords=[2]{%
2182      },%
2183      % Keywords of class 3 : mandatory arguments (not environments) &
2184      % optional arguments which are keys (in key=value)
2185      morekeywords=[3]{%
2186        log-declarations,%
2187        m,r,R,v,b,o,d,O,D,s,t,e,E,%
2188      },%
2189      % Keywords of class 4 : values of keys (in key=value)
2190      morekeywords=[4]{%
2191      },%
2192      % Keywords of class 5 : arguments specifications (after ":" in expl3
2193      % syntax)
2194      morekeywords=[5]{%
2195      },%
2196      % Keywords of class 6 : current package name (and possibly derived
2197      % packages)
2198      morekeywords=[6]{%
2199        xparse,%
2200      },%
2201      % otherkeywords={},%
2202      alsoletter={-},%
2203      % alsodigit={},%
2204      % alsoother={},%
```

```
2205      sensitive,%
2206    }[keywords,tex,comments]%
2207
2208    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2209    % colortbl
2210    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2211    \lst@definelanguage[colortbl]{TeX}{%
2212      % Control sequences names
2213      moretexcs={%
2214        columncolor,rowcolor,cellcolor,arrayrulecolor,doublerulesepcolor,%
2215        minrowclearance,%
2216      },%
2217      % Keywords of class 1 : keywords that contain other characters (since
2218      % of the same class as the ones specified as 'otherkeywords')
2219      morekeywords={%
2220      },%
2221      % Keywords of class 2 : environments names
2222      morekeywords=[2]{%
2223      },%
2224      % Keywords of class 3 : mandatory arguments (not environments) &
2225      % optional arguments which are keys (in key=value)
2226      morekeywords=[3]{%
2227      },%
2228      % Keywords of class 4 : values of keys (in key=value)
2229      morekeywords=[4]{%
2230      },%
2231      % Keywords of class 5 : arguments specifications (after ":" in expl3
2232      % syntax)
2233      morekeywords=[5]{%
2234      },%
2235      % Keywords of class 6 : current package name (and possibly derived
2236      % packages)
2237      morekeywords=[6]{%
2238        colortbl,%
2239      },%
2240      % otherkeywords={},
2241      % alsoletter={},
2242      % alsodigit={},%
2243      % alsoother={},%
2244      sensitive,%
2245    }[keywords,tex,comments]%
2246
2247    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2248    % multirow
2249    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2250    \lst@definelanguage[multirow]{TeX}%
2251    {%
2252      % Control sequences names
2253      moretexcs={%
2254        multirow,%
2255      },%
2256      % Keywords of class 1 : keywords that contain other characters (since
```

```
2257      % of the same class as the ones specified as 'otherkeywords')
2258      morekeywords={%
2259      },%
2260      % Keywords of class 2 : environments names
2261      morekeywords=[2]{%
2262      },%
2263      % Keywords of class 3 : mandatory arguments (not environments) &
2264      % optional arguments which are keys (in key=value)
2265      morekeywords=[3]{%
2266      },%
2267      % Keywords of class 4 : values of keys (in key=value)
2268      morekeywords=[4]{%
2269      },%
2270      % Keywords of class 5 : arguments specifications (after ":" in expl3
2271      % syntax)
2272      morekeywords=[5]{%
2273      },%
2274      % Keywords of class 6 : current package name (and possibly derived
2275      % packages)
2276      morekeywords=[6]{%
2277        multirow,%
2278      },%
2279      % otherkeywords={},
2280      % alsoletter={},
2281      % alsodigit={},%
2282      % alsoother={},%
2283      sensitive,%
2284    }[keywords,tex,comments]%
2285
2286    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2287    % nicematrix
2288    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2289    \lst@definelanguage[nicematrix]{TeX}%
2290    {%
2291      % Control sequences names
2292      moretexcs={%
2293        Cdots,Ddots,Vdots,Body,CodeBefore,CodeAfter,Block,%
2294      },%
2295      % Keywords of class 1 : keywords that contain other characters (since
2296      % of the same class as the ones specified as 'otherkeywords')
2297      morekeywords={%
2298      },%
2299      % Keywords of class 2 : environments names
2300      morekeywords=[2]{%
2301        pNiceMatrix,NiceMatrix,NiceTabular,bNiceArray,%
2302      },%
2303      % Keywords of class 3 : mandatory arguments (not environments) &
2304      % optional arguments which are keys (in key=value)
2305      morekeywords=[3]{%
2306        hvlines,rules/width,baseline,colortbl-like,margin,right-margin,%
2307        create-cell-nodes,rounded-corners,draw,%
2308      },%
```

```
2309      % Keywords of class 4 : values of keys (in key=value)
2310      morekeywords=[4]{%
2311      },%
2312      % Keywords of class 5 : arguments specifications (after ":" in expl3
2313      % syntax)
2314      morekeywords=[5]{%
2315      },%
2316      % Keywords of class 6 : current package name (and possibly derived
2317      % packages)
2318      morekeywords=[6]{%
2319        nicematrix,%
2320      },
2321      otherkeywords={&},%
2322      alsoletter={/},%
2323      % alsodigit={},%
2324      % alsoother={},%
2325      sensitive,%
2326    }[keywords,tex,comments]%
2327
2328    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2329    % booktabs
2330    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2331    \lst@definelanguage[booktabs]{TeX}%
2332    {%
2333      % Control sequences names
2334      moretexcs={%
2335        toprule,midrule,bottomrule,cmidrule,addlinespace,morecmidrules,%
2336        specialrule,%
2337      },%
2338      % Keywords of class 1 : keywords that contain other characters (since
2339      % of the same class as the ones specified as 'otherkeywords')
2340      morekeywords={%
2341      },%
2342      % Keywords of class 2 : environments names
2343      morekeywords=[2]{%
2344      },%
2345      % Keywords of class 3 : mandatory arguments (not environments) &
2346      % optional arguments which are keys (in key=value)
2347      morekeywords=[3]{%
2348      },%
2349      % Keywords of class 4 : values of keys (in key=value)
2350      morekeywords=[4]{%
2351      },%
2352      % Keywords of class 5 : arguments specifications (after ":" in expl3
2353      % syntax)
2354      morekeywords=[5]{%
2355      },%
2356      % Keywords of class 6 : current package name (and possibly derived
2357      % packages)
2358      morekeywords=[6]{%
2359        booktabs,%
2360      },%
```

```
2361      % otherkeywords={},
2362      % alsoletter={},
2363      % alsodigit={},%
2364      % alsoother={},%
2365      sensitive,%
2366    }[keywords,tex,comments]%
2367
2368    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2369    % strands
2370    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2371    \lst@definelanguage[strands]{TeX}%
2372    {%
2373      % Control sequences names
2374      moretexcs={%
2375        strands,%
2376      },%
2377      % Keywords of class 1 : keywords that contain other characters (since
2378      % of the same class as the ones specified as 'otherkeywords')
2379      morekeywords={%
2380      },%
2381      % Keywords of class 2 : environments names
2382      morekeywords=[2]{%
2383      },%
2384      % Keywords of class 3 : mandatory arguments (not environments) &
2385      % optional arguments which are keys (in key=value)
2386      morekeywords=[3]{%
2387      },%
2388      % Keywords of class 4 : values of keys (in key=value)
2389      morekeywords=[4]{%
2390      },%
2391      % Keywords of class 5 : arguments specifications (after ":" in expl3
2392      % syntax)
2393      morekeywords=[5]{%
2394      },%
2395      % Keywords of class 6 : current package name (and possibly derived
2396      % packages)
2397      morekeywords=[6]{%
2398        strands,%
2399      },%
2400      % otherkeywords={},
2401      % alsoletter={},
2402      % alsodigit={},%
2403      % alsoother={},%
2404      sensitive,%
2405    }[keywords,tex,comments]%
2406
2407    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2408    % cartonaugh
2409    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2410    \lst@definelanguage[cartonaugh]{TeX}%
2411    {%
2412      % Control sequences names
```

```
2413      moretexcs={%
2414        maxterms,minterms,terms,implicant,%
2415      },%
2416      % Keywords of class 1 : keywords that contain other characters (since
2417      % of the same class as the ones specified as 'otherkeywords')
2418      morekeywords={%
2419      },%
2420      % Keywords of class 2 : environments names
2421      morekeywords=[2]{%
2422        cartonaugh,%
2423      },%
2424      % Keywords of class 3 : mandatory arguments (not environments) &
2425      % optional arguments which are keys (in key=value)
2426      morekeywords=[3]{%
2427      },%
2428      % Keywords of class 4 : values of keys (in key=value)
2429      morekeywords=[4]{%
2430      },%
2431      % Keywords of class 5 : arguments specifications (after ":" in expl3
2432      % syntax)
2433      morekeywords=[5]{%
2434      },%
2435      % Keywords of class 6 : current package name (and possibly derived
2436      % packages)
2437      morekeywords=[6]{%
2438        cartonaugh,%
2439      },%
2440      % otherkeywords={},
2441      % alsoletter={},
2442      % alsodigit={},%
2443      % alsoother={},%
2444      sensitive,%
2445    }[keywords,tex,comments]%
2446
2447    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2448    % xistercian
2449    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2450    \lst@definelanguage[xistercian]{TeX}%
2451    {%
2452      % Control sequences names
2453      moretexcs={%
2454        cisterciannum,%
2455      },%
2456      % Keywords of class 1 : keywords that contain other characters (since
2457      % of the same class as the ones specified as 'otherkeywords')
2458      morekeywords={%
2459      },%
2460      % Keywords of class 2 : environments names
2461      morekeywords=[2]{%
2462        xistercian,%
2463      },%
2464      % Keywords of class 3 : mandatory arguments (not environments) &
```

```
2465      % optional arguments which are keys (in key=value)
2466      morekeywords=[3]{%
2467      },%
2468      % Keywords of class 4 : values of keys (in key=value)
2469      morekeywords=[4]{%
2470      },%
2471      % Keywords of class 5 : arguments specifications (after ":" in expl3
2472      % syntax)
2473      morekeywords=[5]{%
2474      },%
2475      % Keywords of class 6 : current package name (and possibly derived
2476      % packages)
2477      morekeywords=[6]{%
2478        xistercian,%
2479      },%
2480      % otherkeywords={},
2481      % alsoletter={},
2482      % alsodigit={},%
2483      % alsoother={},%
2484      sensitive,%
2485   }[keywords,tex,comments]%
2486
2487   %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2488   % aboensis
2489   %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2490   \lst@definelanguage[aboensis]{TeX}%
2491   {%
2492     % Control sequences names
2493     moretexcs={%
2494       abcursivefamily,%
2495     },%
2496     % Keywords of class 1 : keywords that contain other characters (since
2497     % of the same class as the ones specified as 'otherkeywords')
2498     morekeywords={%
2499     },%
2500     % Keywords of class 2 : environments names
2501     morekeywords=[2]{%
2502     },%
2503     % Keywords of class 3 : mandatory arguments (not environments) &
2504     % optional arguments which are keys (in key=value)
2505     morekeywords=[3]{%
2506     },%
2507     % Keywords of class 4 : values of keys (in key=value)
2508     morekeywords=[4]{%
2509     },%
2510     % Keywords of class 5 : arguments specifications (after ":" in expl3
2511     % syntax)
2512     morekeywords=[5]{%
2513     },%
2514     % Keywords of class 6 : current package name (and possibly derived
2515     % packages)
2516     morekeywords=[6]{%
```

```
2517        aboensis,%
2518      },%
2519      % otherkeywords={},
2520      % alsoletter={},
2521      % alsodigit={},%
2522      % alsoother={},%
2523      sensitive,%
2524    }[keywords,tex,comments]%
2525
2526    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2527    % tabularray
2528    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2529    \lst@definelanguage[tabularray]{TeX}%
2530    {%
2531      % Control sequences names
2532      moretexcs={%
2533        ,%
2534      },%
2535      % Keywords of class 1 : keywords that contain other characters (since
2536      % of the same class as the ones specified as 'otherkeywords')
2537      morekeywords={%
2538      },%
2539      % Keywords of class 2 : environments names
2540      morekeywords=[2]{%
2541        tblr,%
2542      },%
2543      % Keywords of class 3 : mandatory arguments (not environments) &
2544      % optional arguments which are keys (in key=value)
2545      morekeywords=[3]{%
2546        width,colspec,row,bg,fg,font,column,hlines,X,%
2547      },%
2548      % Keywords of class 4 : values of keys (in key=value)
2549      morekeywords=[4]{%
2550        odd,%
2551      },%
2552      % Keywords of class 5 : arguments specifications (after ":" in expl3
2553      % syntax)
2554      morekeywords=[5]{%
2555      },%
2556      % Keywords of class 6 : current package name (and possibly derived
2557      % packages)
2558      morekeywords=[6]{%
2559        tabularray,%
2560      },%
2561      % otherkeywords={},
2562      % alsoletter={},
2563      % alsodigit={},%
2564      % alsoother={},%
2565      sensitive,%
2566    }[keywords,tex,comments]%
2567
2568    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

```
2569    % ninecolors
2570    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2571    \lst@definelanguage[ninecolors]{TeX}%
2572    {%
2573      % Control sequences names
2574      moretexcs={%
2575        NineColors,%
2576      },%
2577      % Keywords of class 1 : keywords that contain other characters (since
2578      % of the same class as the ones specified as 'otherkeywords')
2579      morekeywords={%
2580      },%
2581      % Keywords of class 2 : environments names
2582      morekeywords=[2]{%
2583      },%
2584      % Keywords of class 3 : mandatory arguments (not environments) &
2585      % optional arguments which are keys (in key=value)
2586      morekeywords=[3]{%
2587        gray1,red1,brown1,yellow1,olive1,green1,teal1,cyan1,azure1,%
2588        blue1,violet1,magenta1,purple1,gray2,red2,brown2,yellow2,olive2,%
2589        green2,teal2,cyan2,azure2,blue2,violet2,magenta2,purple2,gray3,%
2590        red3,brown3,yellow3,olive3,green3,teal3,cyan3,azure3,blue3,%
2591        violet3,magenta3,purple3,gray4,red4,brown4,yellow4,olive4,%
2592        green4,teal4,cyan4,azure4,blue4,violet4,magenta4,purple4,gray5,%
2593        red5,brown5,yellow5,olive5,green5,teal5,cyan5,azure5,blue5,%
2594        violet5,magenta5,purple5,gray6,red6,brown6,yellow6,olive6,%
2595        green6,teal6,cyan6,azure6,blue6,violet6,magenta6,purple6,gray7,%
2596        red7,brown7,yellow7,olive7,green7,teal7,cyan7,azure7,blue7,%
2597        violet7,magenta7,purple7,gray8,red8,brown8,yellow8,olive8,%
2598        green8,teal8,cyan8,azure8,blue8,violet8,magenta8,purple8,gray9,%
2599        red9,brown9,yellow9,olive9,green9,teal9,cyan9,azure9,blue9,%
2600        violet9,magenta9,purple9,gray1,red1,brown1,yellow1,olive1,%
2601        green1,teal1,cyan1,azure1,blue1,violet1,magenta1,purple1,gray2,%
2602        red2,brown2,yellow2,olive2,green2,teal2,cyan2,azure2,blue2,%
2603        violet2,magenta2,purple2,gray3,red3,brown3,yellow3,olive3,%
2604        green3,teal3,cyan3,azure3,blue3,violet3,magenta3,purple3,gray4,%
2605        red4,brown4,yellow4,olive4,green4,teal4,cyan4,azure4,blue4,%
2606        violet4,magenta4,purple4,gray5,red5,brown5,yellow5,olive5,%
2607        green5,teal5,cyan5,azure5,blue5,violet5,magenta5,purple5,gray6,%
2608        red6,brown6,yellow6,olive6,green6,teal6,cyan6,azure6,blue6,%
2609        violet6,magenta6,purple6,gray7,red7,brown7,yellow7,olive7,%
2610        green7,teal7,cyan7,azure7,blue7,violet7,magenta7,purple7,gray8,%
2611        red8,brown8,yellow8,olive8,green8,teal8,cyan8,azure8,blue8,%
2612        violet8,magenta8,purple8,gray9,red9,brown9,yellow9,olive9,%
2613        green9,teal9,cyan9,azure9,blue9,violet9,magenta9,purple9,%
2614        saturation,%
2615      },%
2616      % Keywords of class 4 : values of keys (in key=value)
2617      morekeywords=[4]{%
2618        low,medium,high,%
2619      },%
2620      % Keywords of class 5 : arguments specifications (after ":" in expl3
```

```
2621      % syntax)
2622      morekeywords=[5]{%
2623      },%
2624      % Keywords of class 6 : current package name (and possibly derived
2625      % packages)
2626      morekeywords=[6]{%
2627        ninecolors,%
2628      },%
2629      % otherkeywords={},%
2630      alsoletter={123456789},%
2631      % alsodigit={},%
2632      % alsoother={},%
2633      sensitive,%
2634    }[keywords,tex,comments]%
2635
2636    \lst@definelanguage[fontspec]{TeX}{%
2637      % Control sequences names
2638      moretexcs={%
2639        EncodingAccent,EncodingCommand,EncodingComposite,%
2640        EncodingCompositeCommand,EncodingSymbol,IfFontExistsTF,%
2641        IfFontFeatureActiveTF,UndeclareAccent,UndeclareCommand,%
2642        UndeclareComposite,UndeclareSymbol,addfontfeature,addfontfeatures,%
2643        aliasfontfeature,aliasfontfeatureoption,defaultfontfeatures,fontspec
             ,%
2644        liningnums,newAATfeature,newfontface,newfontfamily,newfontfeature,%
2645        newfontlanguage,newfontscript,newopentypefeature,oldstylenums,%
2646        providefontface,providefontfamily,renewfontface,renewfontfamily,%
2647        setboldmathrm,setfontface,setfontfamily,setmainfont,setmathrm,%
2648        setmathsf,setmathtt,setmonofont,setromanfont,setsansfont,strong,%
2649        strongfontdeclare,strongresetsetmainfont,%
2650      },%
2651      % Keywords of class 1 : keywords that contain other characters (since
2652      % of the same class as the ones specified as 'otherkeywords')
2653      morekeywords={%
2654      },%
2655      % Keywords of class 2 : environments names
2656      morekeywords=[2]{%
2657      },%
2658      % Keywords of class 3 : mandatory arguments (not environments) &
2659      % optional arguments which are keys (in key=value)
2660      morekeywords=[3]{%
2661        Alternate,Annotation,AutoFakeBold,AutoFakeSlant,BoldFeatures,%
2662        BoldFont,BoldItalicFeatures,BoldItalicFont,BoldSlantedFeatures,%
2663        BoldSlantedFont,BoldSwashFeatures,BoldSwashFont,CJKShape,
             ItalicFeatures,%
2664        CharacterVariant,CharacterWidth,Color,Colour,Contextuals,%
2665        Diacritics,Extension,FakeBold,FakeSlant,FakeStretch,Font,FontFace,%
2666        Fractions,HyphenChar,IgnoreFontspecFileItalicFeatures,ItalicFont,%
2667        Kerning,Language,LetterSpace,Letters,Ligatures,LocalForms,%
2668        NFSSFamily,Numbers,OpticalSize,Ornament,Path,PunctuationSpace,%
2669        RawFeature,Scale,ScaleAgain,Script,Size,SizeFeatures,%
2670        SlantedFeatures,SlantedFont,SmallCapsFeatures,SmallCapsFont,Style,%
```

```
2671        StylisticAlternates,StylisticSet,SwashFeatures,SwashFont,%
2672        UprightFeatures,UprightFont,Variant,Vertical,VerticalPosition,%
2673        WordSpace,Mapping,Renderer,Traditional,Simplified,JIS1978,JIS1983,%
2674        JIS1990,Expert,NLC,%
2675      },%
2676      % Keywords of class 4 : values of keys (in key=value)
2677      morekeywords=[4]{%
2678        AboveBase,Alternate,AlternateHalf,AlternateMetrics,%
2679        AlternateProportional,Alternates,AlternatesForRotation,Arabic,%
2680        ArabicOff,BelowBase,Common,Contextual,Cursive,Denominator,%
2681        Discretionary,Expert,Full,Half,HalfMetrics,Historic,%
2682        HorizontalKana,Inferior,Inner,Italic,JIS1978,JIS1983,JIS1990,%
2683        KanaAlternates,Kerning,LineFinal,Lining,LiningOff,Lowercase,%
2684        LowercaseOff,MarkToBase,MarkToMark,Monospaced,MonospacedOff,NLC,%
2685        Numerator,Off,OldStyle,OldStyleOff,On,Ordinal,PetiteCaps,%
2686        Proportional,ProportionalMetrics,ProportionalOff,Quarter,Rare,%
2687        Required,Reset,ResetAll,RotatedGlyphs,Ruby,ScientificInferior,%
2688        Simplified,SlashedZero,SlashedZeroOff,SmallCaps,Superior,Swash,%
2689        TeX,Thurd,Titling,Traditional,Unicase,Uppercase,UppercaseOff,%
2690        UppercasePetiteCaps,UppercaseSmallCaps,VerticalKana,WordFinal,%
2691        WordInitial,ResetAll,c2sc,scmp,sinf,sups,zero,ss06,ss01,%
2692        ss04,-liga,frac,titl,swsh,hist,hlig,MatchUppercase,MatchLowercase,%
2693      },%
2694      % Keywords of class 5 : arguments specifications (after ":" in expl3
2695      % syntax)
2696      morekeywords=[5]{%
2697      },%
2698      % Keywords of class 6 : current package name (and possibly derived
2699      % packages)
2700      morekeywords=[6]{%
2701        fontspec%
2702      },%
2703      % otherkeywords={},%
2704      alsoletter={20614-},%
2705      % alsodigit={},%
2706      % alsoother={},%
2707      sensitive,%
2708    }[keywords,tex,comments]%
2709
2710    \lst@definelanguage[ProfCollege]{TeX}{%
2711      % Control sequences names
2712      moretexcs={%
2713        Thales,Pourcentage,ResolEquation%
2714      },%
2715      % Keywords of class 1 : keywords that contain other characters (since
2716      % of the same class as the ones specified as 'otherkeywords')
2717      morekeywords={%
2718      },%
2719      % Keywords of class 2 : environments names
2720      morekeywords=[2]{%
2721        Twitter,Scratch,%
2722      },%
```

```
2723       % Keywords of class 3 : mandatory arguments (not environments) &
2724       % optional arguments which are keys (in key=value)
2725       morekeywords=[3]{%
2726         Auteur,Logo,Calculer,%
2727       },%
2728       % Keywords of class 4 : values of keys (in key=value)
2729       morekeywords=[4]{%
2730         Place,Drapeau,Avancer,Repeter,Tournerg,FinBlocRepeter,%
2731       },%
2732       % Keywords of class 5 : arguments specifications (after ":" in expl3
2733       % syntax)
2734       morekeywords=[5]{%
2735       },%
2736       % Keywords of class 6 : current package name (and possibly derived
2737       % packages)
2738       morekeywords=[6]{%
2739         ProfCollege,%
2740       },%
2741       % otherkeywords={},
2742       % alsoletter={},
2743       % alsodigit={},%
2744       % alsoother={},%
2745       sensitive,%
2746     }[keywords,tex,comments]%
2747
2748     \lst@definelanguage[tkz-euclide]{TeX}{%
2749       % Control sequences names
2750       moretexcs={%
2751         tkzDefPoint,tkzInterCC,tkzGetPoints,tkzDrawCircles,tkzDrawPolygon,%
2752         tkzDrawPoints,tkzMarkSegments,tkzLabelSegments,tkzLabelPoints,%
2753         tkzLabelPoints,%
2754       },%
2755       % Keywords of class 1 : keywords that contain other characters (since
2756       % of the same class as the ones specified as 'otherkeywords')
2757       morekeywords={%
2758       },%
2759       % Keywords of class 2 : environments names
2760       morekeywords=[2]{%
2761         tikzpicture,%
2762       },%
2763       % Keywords of class 3 : mandatory arguments (not environments) &
2764       % optional arguments which are keys (in key=value)
2765       morekeywords=[3]{%
2766         mark,swap,above,scale,%
2767       },%
2768       % Keywords of class 4 : values of keys (in key=value)
2769       morekeywords=[4]{%
2770       },%
2771       % Keywords of class 5 : arguments specifications (after ":" in expl3
2772       % syntax)
2773       morekeywords=[5]{%
2774       },%
```

```
2775      % Keywords of class 6 : current package name (and possibly derived
2776      % packages)
2777      morekeywords=[6]{%
2778        tkz-euclide },%
2779      % otherkeywords={},
2780      % alsoletter={},
2781      % alsodigit={},%
2782      % alsoother={},%
2783      sensitive,%
2784    }[keywords,tex,comments]%
2785
2786    \lst@definelanguage[tkz-fct]{TeX}{%
2787      % Control sequences names
2788      moretexcs={%
2789        tkzInit,tkzDrawX,tkzDrawY,tkzFct,tkzDefPoint,tkzDrawPoint,%
2790        tkzPointShowCoord,tkzDefPoint,tkzDrawPoint,tkzPointShowCoord,%
2791        tkzRep,%
2792      },%
2793      % Keywords of class 1 : keywords that contain other characters (since
2794      % of the same class as the ones specified as 'otherkeywords')
2795      morekeywords={%
2796      },%
2797      % Keywords of class 2 : environments names
2798      morekeywords=[2]{%
2799        tikzpicture,%
2800      },%
2801      % Keywords of class 3 : mandatory arguments (not environments) &
2802      % optional arguments which are keys (in key=value)
2803      morekeywords=[3]{%
2804        xmin,xmax,ymin,ymax,samples,domain,xlabel,ylabel,xscale,yscale%
2805      },%
2806      % Keywords of class 4 : values of keys (in key=value)
2807      morekeywords=[4]{%
2808      },%
2809      % Keywords of class 5 : arguments specifications (after ":" in expl3
2810      % syntax)
2811      morekeywords=[5]{%
2812      },%
2813      % Keywords of class 6 : current package name (and possibly derived
2814      % packages)
2815      morekeywords=[6]{%
2816        tkz-fct },%
2817      % otherkeywords={},
2818      % alsoletter={},
2819      % alsodigit={},%
2820      % alsoother={},%
2821      sensitive,%
2822    }[keywords,tex,comments]%
2823
2824    \lst@definelanguage[tkz-tab]{TeX}{%
2825      % Control sequences names
2826      moretexcs={%
```

```
2827        tkzTabInit,tkzTabLine,tkzTabVar,%
2828      },%
2829      % Keywords of class 1 : keywords that contain other characters (since
2830      % of the same class as the ones specified as 'otherkeywords')
2831      morekeywords={%
2832      },%
2833      % Keywords of class 2 : environments names
2834      morekeywords=[2]{%
2835        tikzpicture,%
2836      },%
2837      % Keywords of class 3 : mandatory arguments (not environments) &
2838      % optional arguments which are keys (in key=value)
2839      morekeywords=[3]{%
2840        lgt,espcl,t,d,z,+,-,-D+/,+/,-/,+D/,scale,%
2841      },%
2842      % Keywords of class 4 : values of keys (in key=value)
2843      morekeywords=[4]{%
2844      },%
2845      % Keywords of class 5 : arguments specifications (after ":" in expl3
2846      % syntax)
2847      morekeywords=[5]{%
2848      },%
2849      % Keywords of class 6 : current package name (and possibly derived
2850      % packages)
2851      morekeywords=[6]{%
2852        tkz-tab },%
2853      % otherkeywords={},%
2854      alsoletter={+-/},%
2855      % alsodigit={},%
2856      % alsoother={},%
2857      sensitive,%
2858    }[keywords,tex,comments]%
2859
2860    \lst@definelanguage[mecaso]{TeX}{%
2861      % Control sequences names
2862      moretexcs={%
2863        KineticT,%
2864      },%
2865      % Keywords of class 1 : keywords that contain other characters (since
2866      % of the same class as the ones specified as 'otherkeywords')
2867      morekeywords={%
2868      },%
2869      % Keywords of class 2 : environments names
2870      morekeywords=[2]{%
2871      },%
2872      % Keywords of class 3 : mandatory arguments (not environments) &
2873      % optional arguments which are keys (in key=value)
2874      morekeywords=[3]{%
2875      },%
2876      % Keywords of class 4 : values of keys (in key=value)
2877      morekeywords=[4]{%
2878      },%
```

```
2879    % Keywords of class 5 : arguments specifications (after ":" in expl3
2880    % syntax)
2881    morekeywords=[5]{%
2882    },%
2883    % Keywords of class 6 : current package name (and possibly derived
2884    % packages)
2885    morekeywords=[6]{%
2886      mecaso },%
2887    % otherkeywords={},
2888    % alsoletter={},
2889    % alsodigit={},%
2890    % alsoother={},%
2891    sensitive,%
2892 }[keywords,tex,comments]%
2893
2894 \lst@definelanguage[hanzibox]{TeX}{%
2895    % Control sequences names
2896    moretexcs={%
2897      hanzibox*,hanziboxset,%
2898    },%
2899    % Keywords of class 1 : keywords that contain other characters (since
2900    % of the same class as the ones specified as 'otherkeywords')
2901    morekeywords={%
2902    },%
2903    % Keywords of class 2 : environments names
2904    morekeywords=[2]{%
2905    },%
2906    % Keywords of class 3 : mandatory arguments (not environments) &
2907    % optional arguments which are keys (in key=value)
2908    morekeywords=[3]{%
2909      frametype,pinyinline,%
2910    },%
2911    % Keywords of class 4 : values of keys (in key=value)
2912    morekeywords=[4]{%
2913      none,true,%
2914    },%
2915    % Keywords of class 5 : arguments specifications (after ":" in expl3
2916    % syntax)
2917    morekeywords=[5]{%
2918    },%
2919    % Keywords of class 6 : current package name (and possibly derived
2920    % packages)
2921    morekeywords=[6]{%
2922      hanzibox },%
2923    % otherkeywords={},%
2924    % alsoletter={},%
2925    % alsodigit={},%
2926    alsoother={*},%
2927    sensitive,%
2928 }[keywords,tex,comments]%
2929
2930 \lst@definelanguage[tikz-bagua]{TeX}{%
```

```
2931      % Control sequences names
2932      moretexcs={%
2933        Bagua*,%
2934      },%
2935      % Keywords of class 1 : keywords that contain other characters (since
2936      % of the same class as the ones specified as 'otherkeywords')
2937      morekeywords={%
2938      },%
2939      % Keywords of class 2 : environments names
2940      morekeywords=[2]{%
2941      },%
2942      % Keywords of class 3 : mandatory arguments (not environments) &
2943      % optional arguments which are keys (in key=value)
2944      morekeywords=[3]{%
2945      },%
2946      % Keywords of class 4 : values of keys (in key=value)
2947      morekeywords=[4]{%
2948      },%
2949      % Keywords of class 5 : arguments specifications (after ":" in expl3
2950      % syntax)
2951      morekeywords=[5]{%
2952      },%
2953      % Keywords of class 6 : current package name (and possibly derived
2954      % packages)
2955      morekeywords=[6]{%
2956        tikz-bagua },%
2957      % otherkeywords={},%
2958      % alsoletter={},%
2959      % alsodigit={},%
2960      alsoother={*},%
2961      sensitive,%
2962    }[keywords,tex,comments]%
2963
2964    \lst@definelanguage[bodeplot]{TeX}{%
2965      % Control sequences names
2966      moretexcs={%
2967        addBodeZPKPlots },%
2968      % Keywords of class 1 : keywords that contain other characters (since
2969      % of the same class as the ones specified as 'otherkeywords')
2970      morekeywords={%
2971      },%
2972      % Keywords of class 2 : environments names
2973      morekeywords=[2]{%
2974        BodePlot,%
2975      },%
2976      % Keywords of class 3 : mandatory arguments (not environments) &
2977      % optional arguments which are keys (in key=value)
2978      morekeywords=[3]{%
2979        ylabel,ytick,distance,height,width,magnitude,z,p,k,%
2980      },%
2981      % Keywords of class 4 : values of keys (in key=value)
2982      morekeywords=[4]{%
```

```
2983        true,black,thick,linear,red,dashed,thick,asymptotic,blue,%
2984        dotted,thick,%
2985      },%
2986      % Keywords of class 5 : arguments specifications (after ":" in expl3
2987      % syntax)
2988      morekeywords=[5]{%
2989      },%
2990      % Keywords of class 6 : current package name (and possibly derived
2991      % packages)
2992      morekeywords=[6]{%
2993        bodeplot },%
2994      % otherkeywords={},%
2995      alsoletter={/},%
2996      % alsodigit={},%
2997      % alsoother={},%
2998      sensitive,%
2999    }[keywords,tex,comments]%
3000
3001    \lst@definelanguage[formal-grammar]{TeX}{%
3002      % Control sequences names
3003      moretexcs={%
3004        highlight,firstcase,gralt,nonterm },%
3005      % Keywords of class 1 : keywords that contain other characters (since
3006      % of the same class as the ones specified as 'otherkeywords')
3007      morekeywords={%
3008      },%
3009      % Keywords of class 2 : environments names
3010      morekeywords=[2]{%
3011        grammar },%
3012      % Keywords of class 3 : mandatory arguments (not environments) &
3013      % optional arguments which are keys (in key=value)
3014      morekeywords=[3]{%
3015      },%
3016      % Keywords of class 4 : values of keys (in key=value)
3017      morekeywords=[4]{%
3018      },%
3019      % Keywords of class 5 : arguments specifications (after ":" in expl3
3020      % syntax)
3021      morekeywords=[5]{%
3022      },%
3023      % Keywords of class 6 : current package name (and possibly derived
3024      % packages)
3025      morekeywords=[6]{%
3026        formal-grammar },%
3027      % otherkeywords={},
3028      % alsoletter={},
3029      % alsodigit={},%
3030      % alsoother={},%
3031      sensitive,%
3032    }[keywords,tex,comments]%
3033
3034    \lst@definelanguage[numerica-plus]{TeX}{%
```

```
3035      % Control sequences names
3036      moretexcs={%
3037        nmcRecur,%
3038      },%
3039      % Keywords of class 1 : keywords that contain other characters (since
3040      % of the same class as the ones specified as 'otherkeywords')
3041      morekeywords={%
3042      },%
3043      % Keywords of class 2 : environments names
3044      morekeywords=[2]{%
3045      },%
3046      % Keywords of class 3 : mandatory arguments (not environments) &
3047      % optional arguments which are keys (in key=value)
3048      morekeywords=[3]{%
3049        do,see1,f_,%
3050      },%
3051      % Keywords of class 4 : values of keys (in key=value)
3052      morekeywords=[4]{%
3053      },%
3054      % Keywords of class 5 : arguments specifications (after ":" in expl3
3055      % syntax)
3056      morekeywords=[5]{%
3057      },%
3058      % Keywords of class 6 : current package name (and possibly derived
3059      % packages)
3060      morekeywords=[6]{%
3061        numerica-plus },%
3062      % otherkeywords={},%
3063      alsoletter={_1},%
3064      % alsodigit={},%
3065      % alsoother={},%
3066      sensitive,%
3067    }[keywords,tex,comments]%

3069    \lst@definelanguage[pascaltriangle]{TeX}{%
3070      % Control sequences names
3071      moretexcs={%
3072        pascal,%
3073      },%
3074      % Keywords of class 1 : keywords that contain other characters (since
3075      % of the same class as the ones specified as 'otherkeywords')
3076      morekeywords={%
3077      },%
3078      % Keywords of class 2 : environments names
3079      morekeywords=[2]{%
3080      },%
3081      % Keywords of class 3 : mandatory arguments (not environments) &
3082      % optional arguments which are keys (in key=value)
3083      morekeywords=[3]{%
3084      },%
3085      % Keywords of class 4 : values of keys (in key=value)
3086      morekeywords=[4]{%
```

```
3087      },%
3088      % Keywords of class 5 : arguments specifications (after ":" in expl3
3089      % syntax)
3090      morekeywords=[5]{%
3091      },%
3092      % Keywords of class 6 : current package name (and possibly derived
3093      % packages)
3094      morekeywords=[6]{%
3095        pascaltriangle },%
3096      % otherkeywords={},
3097      % alsoletter={},
3098      % alsodigit={},%
3099      % alsoother={},%
3100      sensitive,%
3101    }[keywords,tex,comments]%
3102
3103    \lst@definelanguage[pgf-interference]{TeX}{%
3104      % Control sequences names
3105      moretexcs={%
3106        pgfinterferencepattern,%
3107      },%
3108      % Keywords of class 1 : keywords that contain other characters
3109      % (since of the same class as the ones specified as 'otherkeywords')
3110      morekeywords={%
3111      },%
3112      % Keywords of class 2 : environments names
3113      morekeywords=[2]{%
3114      },%
3115      % Keywords of class 3 : mandatory arguments (not environments) &
3116      % optional arguments which are keys (in key=value)
3117      morekeywords=[3]{%
3118        slits,wavelength,slit-distance,intensity,ruler,scale,%
3119      },%
3120      % Keywords of class 4 : values of keys (in key=value)
3121      morekeywords=[4]{%
3122      },%
3123      % Keywords of class 5 : arguments specifications (after ":" in expl3
3124      % syntax)
3125      morekeywords=[5]{%
3126      },%
3127      % Keywords of class 6 : current package name (and possibly derived
3128      % packages)
3129      morekeywords=[6]{%
3130        pgf-interference%
3131      },%
3132      % otherkeywords={},%
3133      alsoletter={-},%
3134      % alsodigit={},%
3135      % alsoother={},%
3136      sensitive,%
3137    }[keywords,tex,comments]%
3138
```

```
3139    \lst@definelanguage[clistmap]{TeX}{%
3140      % Control sequences names
3141      moretexcs={%
3142        ExplSyntaxOn,ExplSyntaxOff,clistmap,%
3143      },%
3144      % Keywords of class 1 : keywords that contain other characters (since
3145      % of the same class as the ones specified as 'otherkeywords')
3146      morekeywords={%
3147      },%
3148      % Keywords of class 2 : environments names
3149      morekeywords=[2]{%
3150      },%
3151      % Keywords of class 3 : mandatory arguments (not environments) &
3152      % optional arguments which are keys (in key=value)
3153      morekeywords=[3]{%
3154        first_math,serial_rest_math_and,%
3155      },%
3156      % Keywords of class 4 : values of keys (in key=value)
3157      morekeywords=[4]{%
3158      },%
3159      % Keywords of class 5 : arguments specifications (after ":" in expl3
3160      % syntax)
3161      morekeywords=[5]{%
3162        nnn,N,%
3163      },%
3164      % Keywords of class 6 : current package name (and possibly derived
3165      % packages)
3166      morekeywords=[6]{%
3167        clistmap },%
3168      % otherkeywords={},%
3169      alsoletter={_},%
3170      % alsodigit={},%
3171      % alsoother={},%
3172      sensitive,%
3173    }[keywords,tex,comments]%
3174
3175    \lst@definelanguage[hexboard]{TeX}{%
3176      % Control sequences names
3177      moretexcs={%
3178        hexmove,%
3179      },%
3180      % Keywords of class 1 : keywords that contain other characters (since
3181      % of the same class as the ones specified as 'otherkeywords')
3182      morekeywords={%
3183      },%
3184      % Keywords of class 2 : environments names
3185      morekeywords=[2]{%
3186        hexgamelabels,%
3187      },%
3188      % Keywords of class 3 : mandatory arguments (not environments) &
3189      % optional arguments which are keys (in key=value)
3190      morekeywords=[3]{%
```

```
3191      },%
3192      % Keywords of class 4 : values of keys (in key=value)
3193      morekeywords=[4]{%
3194      },%
3195      % Keywords of class 5 : arguments specifications (after ":" in expl3
3196      % syntax)
3197      morekeywords=[5]{%
3198      },%
3199      % Keywords of class 6 : current package name (and possibly derived
3200      % packages)
3201      morekeywords=[6]{%
3202        hexboard },%
3203      % otherkeywords={},
3204      % alsoletter={},
3205      % alsodigit={},%
3206      % alsoother={},%
3207      sensitive,%
3208    }[keywords,tex,comments]%
3209
3210    \lst@definelanguage[robotarm]{TeX}{%
3211      % Control sequences names
3212      moretexcs={%
3213        robotArm,%
3214      },%
3215      % Keywords of class 1 : keywords that contain other characters (since
3216      % of the same class as the ones specified as 'otherkeywords')
3217      morekeywords={%
3218      },%
3219      % Keywords of class 2 : environments names
3220      morekeywords=[2]{%
3221        tikzpicture },%
3222      % Keywords of class 3 : mandatory arguments (not environments) &
3223      % optional arguments which are keys (in key=value)
3224      morekeywords=[3]{%
3225        config,q1,q2,q3,%
3226      },%
3227      % Keywords of class 4 : values of keys (in key=value)
3228      morekeywords=[4]{%
3229      },%
3230      % Keywords of class 5 : arguments specifications (after ":" in expl3
3231      % syntax)
3232      morekeywords=[5]{%
3233      },%
3234      % Keywords of class 6 : current package name (and possibly derived
3235      % packages)
3236      morekeywords=[6]{%
3237        robotarm },%
3238      % otherkeywords={},%
3239      alsoletter={123},%
3240      % alsodigit={},%
3241      % alsoother={},%
3242      sensitive,%
```

```
3243      }[keywords,tex,comments]%
3244
3245      \lst@definelanguage[amsfonts]{TeX}{%
3246        % Control sequences names
3247        moretexcs={%
3248          mathbb,mathfrak,angle,Box,dasharrow,dashleftarrow,dashrightarrow,%
3249          Diamond,hbar,Join,leadsto,lhd,llcorner,lozenge,lrcorner,mho,%
3250          rhd,rightleftharpoons,rightsquigarrow,sqsubset,sqsupset,square,%
3251          trianglelefteq,trianglerighteq,ulcorner,unlhd,unrhd,urcorner,%
3252          vartriangleleft,vartriangleright,widehat{arg},widetilde{arg},yen,%
3253          checkmark,circledR,maltese,%
3254        },%
3255        % Keywords of class 1 : keywords that contain other characters (since
3256        % of the same class as the ones specified as 'otherkeywords')
3257        morekeywords={%
3258        },%
3259        % Keywords of class 2 : environments names
3260        morekeywords=[2]{%
3261        },%
3262        % Keywords of class 3 : mandatory arguments (not environments) &
3263        % optional arguments which are keys (in key=value)
3264        morekeywords=[3]{%
3265        },%
3266        % Keywords of class 4 : values of keys (in key=value)
3267        morekeywords=[4]{%
3268        },%
3269        % Keywords of class 5 : arguments specifications (after ":" in expl3
3270        % syntax)
3271        morekeywords=[5]{%
3272        },%
3273        % Keywords of class 6 : current package name (and possibly derived
3274        % packages)
3275        morekeywords=[6]{%
3276          amsfonts },%
3277        % otherkeywords={},
3278        % alsoletter={},
3279        % alsodigit={},%
3280        % alsoother={},%
3281        sensitive,%
3282      }[keywords,tex,comments]%
3283
3284      \lst@definelanguage[biolinum]{TeX}{%
3285        % Control sequences names
3286        moretexcs={%
3287          biolinum,biolinumOsF,biolinumLF,biolinumkey,sufigures,textsu,%
3288          textsuperior,oldstylenums,liningnums,oldstylenumsf,liningnumsf,%
3289          tabularnums,proportionalnums,tabularnumsf,proportionalnumsf,%
3290          DeclareTextGlyphY,biolinumGlyph,biolinumKeyGlyph,LKey,LKeyPad,%
3291          LKeyF,LKeyAltF,LKeyStrgAltF,LKeyCtrlAltF,LKeyStrgX,LKeyCtrlX,%
3292          LKeyShiftX,LKeyAltX,LKeyAltGrX,LKeyShiftStrgX,LKeyShiftCtrlX,%
3293          LKeyShiftAltX,LKeyShiftAltGrX,LKeyStrgAltX,LKeyCtrlAltX,%
3294          LKeyStrgAltEnt,LKeyCtrlAltEnt,LKeyReset,LKeyTux,LKeyWin,LKeyMenu,%
```

```
3295        LKeyStrg,LKeyCtrl,LKeyAlt,LKeyAltGr,LKeyShift,LKeyTab,LKeyEnter,%
3296        LKeyCapsLock,LKeyPos,LKeyEntf,LKeyEinf,LKeyLeer,LKeyEsc,LKeyEnde,%
3297        LKeyCommand,LKeyOptionKey,LKeyBack,LKeyUp,LKeyDown,LKeyLeft,%
3298        LKeyRight,LKeyPgUp,LKeyPgDown,LKeyAt,LKeyFn,LKeyHome,LKeyDel,%
3299        LKeySpace,LKeyScreenUp,LKeyScreenDown,LKeyIns,LKeyEnd,LKeyGNU,%
3300        LKeyPageUp,LKeyPageDown,LMouseEmpty,LMouseN,LMouseL,LMouseM,%
3301        LMouseR,LMouseLR,LMouseIIEmpty,LMouseIIN,LMouseIIL,LMouseIIR,%
3302        LMouseIILR,%
3303      },%
3304      % Keywords of class 1 : keywords that contain other characters (since
3305      % of the same class as the ones specified as 'otherkeywords')
3306      morekeywords={%
3307      },%
3308      % Keywords of class 2 : environments names
3309      morekeywords=[2]{%
3310      },%
3311      % Keywords of class 3 : mandatory arguments (not environments) &
3312      % optional arguments which are keys (in key=value)
3313      morekeywords=[3]{%
3314        sfdefault,type1,nofontspec,lining,nf,lf,oldstyle,osf,sflining,%
3315        sflf,sfoldstyle,sfosf,osfss,tabular,t,p,sftabular,sft,%
3316        sfproportional,sfp,scaled,scale,defaultfeatures,space,uni0020,%
3317        exclam,uni0021,quotedbl,uni0022,numbersign,uni0023,dollar,%
3318        uni0024,percent,uni0025,ampersand,uni0026,quotesingle,uni0027,%
3319        parenleft,uni0028,parenright,uni0029,asterisk,uni002A,plus,%
3320        uni002B,comma,uni002C,hyphen,uni002D,period,uni002E,slash,%
3321        uni002F,zero,uni0030,one,uni0031,two,uni0032,three,uni0033,%
3322        four,uni0034,five,uni0035,six,uni0036,seven,uni0037,eight,%
3323        uni0038,nine,uni0039,colon,uni003A,semicolon,uni003B,less,%
3324        uni003C,equal,uni003D,greater,uni003E,question,uni003F,at,%
3325        bracketleft,uni005B,backslash,uni005C,bracketright,uni005D,%
3326        asciicircum,uni005E,underscore,uni005F,grave,uni0060,uni007A,%
3327        braceleft,uni007B,bar,uni007C,braceright,uni007D,asciitilde,%
3328        uni007E,exclamdown,uni00A1,cent,uni00A2,sterling,uni00A3,%
3329        currency,uni00A4,yen,uni00A5,brokenbar,uni00A6,section,uni00A7,%
3330        dieresis,uni00A8,guillemotleft,uni00AB,uni00AD,degree,uni00B0,%
3331        plusminus,uni00B1,acute,uni00B4,uni00B5,periodcentered,uni00B7,%
3332        cedilla,uni00B8,guillemotright,uni00BB,Agrave,uni00C0,Aacute,%
3333        uni00C1,Acircumflex,uni00C2,Atilde,uni00C3,Adieresis,uni00C4,%
3334        Aring,uni00C5,Ccedilla,uni00C7,Egrave,uni00C8,Eacute,uni00C9,%
3335        Ecircumflex,uni00CA,Edieresis,uni00CB,Igrave,uni00CC,Iacute,%
3336        uni00CD,Icircumflex,uni00CE,Idieresis,uni00CF,Eth,uni00D0,Ntilde,%
3337        uni00D1,Ograve,uni00D2,Oacute,uni00D3,Ocircumflex,uni00D4,Otilde,%
3338        uni00D5,Odieresis,uni00D6,multiply,uni00D7,Oslash,uni00D8,Ugrave,%
3339        uni00D9,Uacute,uni00DA,Ucircumflex,uni00DB,Udieresis,uni00DC,%
3340        Yacute,uni00DD,Thorn,uni00DE,germandbls,uni00DF,agrave,uni00E0,%
3341        aacute,uni00E1,acircumflex,uni00E2,atilde,uni00E3,adieresis,%
3342        uni00E4,aring,uni00E5,ae,uni00E6,ccedilla,uni00E7,egrave,%
3343        uni00E8,eacute,uni00E9,ecircumflex,uni00EA,edieresis,uni00EB,%
3344        igrave,uni00EC,iacute,uni00ED,icircumflex,uni00EE,idieresis,%
3345        uni00EF,eth,uni00F0,ntilde,uni00F1,ograve,uni00F2,oacute,%
3346        uni00F3,ocircumflex,uni00F4,otilde,uni00F5,odieresis,uni00F6,%
```

```
3347        divide,uni00F7,oslash,uni00F8,ugrave,uni00F9,uacute,uni00FA,%
3348        ucircumflex,uni00FB,udieresis,uni00FC,yacute,uni00FD,thorn,%
3349        uni00FE,ydieresis,uni00FF,Amacron,uni0100,amacron,uni0101,Abreve,%
3350        uni0102,abreve,uni0103,Aogonek,uni0104,aogonek,uni0105,Cacute,%
3351        uni0106,cacute,uni0107,Ccircumflex,uni0108,ccircumflex,uni0109,%
3352        Cdotaccent,uni010A,cdotaccent,uni010B,Ccaron,uni010C,ccaron,%
3353        uni010D,Dcaron,uni010E,dcaron,uni010F,Dcroat,uni0110,dcroat,%
3354        uni0111,Emacron,uni0112,emacron,uni0113,Ebreve,uni0114,ebreve,%
3355        uni0115,Edotaccent,uni0116,edotaccent,uni0117,Eogonek,uni0118,%
3356        eogonek,uni0119,Ecaron,uni011A,ecaron,uni011B,Gcircumflex,%
3357        uni011C,gcircumflex,uni011D,Gbreve,uni011E,gbreve,uni011F,%
3358        Gdotaccent,uni0120,gdotaccent,uni0121,Gcommaaccent,uni0122,%
3359        gcommaaccent,uni0123,Hcircumflex,uni0124,hcircumflex,uni0125,Hbar,%
3360        uni0126,hbar,uni0127,Itilde,uni0128,itilde,uni0129,Imacron,%
3361        uni012A,imacron,uni012B,Ibreve,uni012C,ibreve,uni012D,Iogonek,%
3362        uni012E,iogonek,uni012F,Idotaccent,uni0130,dotlessi,uni0131,IJ,%
3363        uni0132,ij,uni0133,Jcircumflex,uni0134,jcircumflex,uni0135,%
3364        Kcommaaccent,uni0136,kcommaaccent,uni0137,kgreenlandic,uni0138,%
3365        Lacute,uni0139,lacute,uni013A,Lcommaaccent,uni013B,lcommaaccent,%
3366        uni013C,Lcaron,uni013D,lcaron,uni013E,Ldot,uni013F,ldot,uni0140,%
3367        Lslash,uni0141,lslash,uni0142,Nacute,uni0143,nacute,uni0144,%
3368        Ncommaaccent,uni0145,ncommaaccent,uni0146,Ncaron,uni0147,ncaron,%
3369        uni0148,napostrophe,uni0149,Omacron,uni014C,omacron,uni014D,%
3370        Obreve,uni014E,obreve,uni014F,Ohungarumlaut,uni0150,ohungarumlaut,%
3371        uni0151,Racute,uni0154,racute,uni0155,Rcommaaccent,uni0156,%
3372        rcommaaccent,uni0157,Rcaron,uni0158,rcaron,uni0159,Sacute,%
3373        uni015A,sacute,uni015B,Scircumflex,uni015C,scircumflex,uni015D,%
3374        Scedilla,uni015E,scedilla,uni015F,Scaron,uni0160,scaron,uni0161,%
3375        Tcedilla,uni0162,tcedilla,uni0163,Tcaron,uni0164,tcaron,uni0165,%
3376        Tbar,uni0166,tbar,uni0167,Utilde,uni0168,utilde,uni0169,Umacron,%
3377        uni016A,umacron,uni016B,Ubreve,uni016C,ubreve,uni016D,Uring,%
3378        uni016E,uring,uni016F,Uhungarumlaut,uni0170,uhungarumlaut,uni0171,%
3379        Uogonek,uni0172,uogonek,uni0173,Wcircumflex,uni0174,wcircumflex,%
3380        uni0175,Ycircumflex,uni0176,ycircumflex,uni0177,Ydieresis,uni0178,%
3381        Zacute,uni0179,zacute,uni017A,Zdotaccent,uni017B,zdotaccent,%
3382        uni017C,Zcaron,uni017D,zcaron,uni017E,h.superior,uni02B0,%
3383        hhook.superior,uni02B1,j.superior,uni02B2,r.superior,uni02B3,%
3384        rturned.superior,uni02B4,rhookturned.superior,uni02B5,%
3385        Rsmallinverted.superior,uni02B6,w.superior,uni02B7,y.superior,%
3386        uni02B8,uni02B9,uni02BA,uni02BB,afii57929,uni02BC,afii64937,%
3387        uni02BD,uni02BE,uni02BF,uni02C0,uni02C1,uni02C2,uni02C3,uni02C4,%
3388        uni02C5,circumflex,uni02C6,caron,uni02C7,uni02C8,uni02C9,uni02CA,%
3389        uni02CB,uni02CC,uni02CD,uni02CE,uni02CF,uni02D0,uni02D1,uni02D2,%
3390        uni02D3,uni02D4,uni02D5,uni02D6,uni02D7,breve,uni02D8,dotaccent,%
3391        uni02D9,ring,uni02DA,ogonek,uni02DB,tilde,uni02DC,hungarumlaut,%
3392        uni02DD,uni02DE,uni02DF,gammalatin.superior,uni02E0,l.superior,%
3393        uni02E1,s.superior,uni02E2,x.superior,uni02E3,%
3394        glottalstopreversed.superior,uni02E4,uni02EC,uni02ED,uni02EE,%
3395        gravecomb,uni0300,acutecomb,uni0301,uni0302,tildecomb,uni0303,%
3396        uni0304,uni0305,uni0306,uni0307,uni0308,hookabovecomb,uni0309,%
3397        uni030A,uni030B,uni030C,uni030D,uni030E,uni030F,uni0310,uni0311,%
3398        uni0312,uni0313,uni0314,uni0315,uni0316,uni0317,uni0318,uni0319,%
```

```
3399    uni031A,uni031B,uni031C,uni031D,uni031E,uni031F,uni0320,uni0321,%
3400    uni0322,dotbelowcomb,uni0323,uni0324,uni0325,uni0326,uni0327,%
3401    uni0328,uni0329,uni032A,uni032B,uni032C,uni032D,uni032E,uni032F,%
3402    uni0330,uni0331,uni0338,uni0342,uni0343,uni0351,uni0357,uni0358,%
3403    uni0359,uni035A,uni035B,uni035C,uni035D,uni035E,uni035F,uni0360,%
3404    uni0361,uni0362,uni0363,uni0374,uni0375,afii57799,uni05B0,%
3405    afii57801,uni05B1,afii57800,uni05B2,afii57802,uni05B3,afii57793,%
3406    uni05B4,afii57794,uni05B5,afii57795,uni05B6,afii57798,uni05B7,%
3407    afii57797,uni05B8,afii57806,uni05B9,uni05BA,afii57796,uni05BB,%
3408    afii57807,uni05BC,afii57839,uni05BD,afii57645,uni05BE,afii57841,%
3409    uni05BF,afii57842,uni05C0,afii57804,uni05C1,afii57803,uni05C2,%
3410    afii57658,uni05C3,uni05C6,afii57664,uni05D0,afii57665,uni05D1,%
3411    afii57666,uni05D2,afii57667,uni05D3,afii57668,uni05D4,afii57669,%
3412    uni05D5,afii57670,uni05D6,afii57671,uni05D7,afii57672,uni05D8,%
3413    afii57673,uni05D9,afii57674,uni05DA,afii57675,uni05DB,afii57676,%
3414    uni05DC,afii57677,uni05DD,afii57678,uni05DE,afii57679,uni05DF,%
3415    afii57680,uni05E0,afii57681,uni05E1,afii57682,uni05E2,afii57683,%
3416    uni05E3,afii57684,uni05E4,afii57685,uni05E5,afii57686,uni05E6,%
3417    afii57687,uni05E7,afii57688,uni05E8,afii57689,uni05E9,afii57690,%
3418    uni05EA,afii57716,uni05F0,afii57717,uni05F1,afii57718,uni05F2,%
3419    arrowleft,uni2190,arrowup,uni2191,arrowright,uni2192,arrowdown,%
3420    uni2193,arrowboth,uni2194,arrowupdn,uni2195,uni2196,uni2197,%
3421    uni2198,uni2199,uni219A,uni219B,uni21A5,uni21A7,uni21BC,uni21BD,%
3422    uni21C0,uni21C1,arrowdblleft,uni21D0,arrowdblup,uni21D1,%
3423    arrowdblright,uni21D2,arrowdbldown,uni21D3,arrowdblboth,uni21D4,%
3424    uni21D5,Nwarrow,uni21D6,Nearrow,uni21D7,Searrow,uni21D8,Swarrow,%
3425    uni21D9,uni2318,uni2325,uni2326,uni2327,uni232B,uni237D,uni2380,%
3426    uni2423,filledbox,uni25A0,H22073,uni25A1,triagup,uni25B2,uni25B3,%
3427    uni25B6,uni25B7,triagdn,uni25BC,uni25BD,uni25C0,uni25C1,uni25C6,%
3428    uni25C7,uni25C9,lozenge,uni25CA,circle,uni25CB,uni25CE,H18533,%
3429    uni25CF,uni25D0,uni25D1,uni25D2,uni25D3,uni25D4,uni25D5,uni25D6,%
3430    uni25D7,openbullet,uni25E6,uni2605,uni2619,uni261B,uni261E,%
3431    uni2627,uni262F,uni2639,uni263A,uni263B,uni263C,uni263D,uni263E,%
3432    uni263F,female,uni2640,uni2641,male,uni2642,uni2643,uni2644,%
3433    uni2645,uni2646,uni2647,uni2648,uni2649,uni264A,uni264B,uni264C,%
3434    uni264D,uni264E,uni264F,uni2650,uni2651,uni2652,uni2653,uni2660,%
3435    uni2663,uni2665,uni2666,uni2669,musicalnote,uni266A,%
3436    musicalnotedbl,uni266B,uni266C,uni2695,uni2698,uni26A2,uni26A3,%
3437    uni26A4,uni26A5,uni26AD,uni2767,uni2776,uni2777,uni2778,uni2779,%
3438    uni277A,uni277B,uni277C,uni277D,uni277E,uni277F,T_u_x,uniE000,%
3439    uniE104,uniE128,uniE129,uniE12A,uniE130,uniE131,uniE132,uniE133,%
3440    uniE134,uniE135,uniE138,uniE139,uniE13A,uniE13C,uniE13D,uniE168,%
3441    B_a_c_k,uniE16E,S_t_r_g,uniE170,A_l_t,uniE171,A_l_t_G_r,uniE172,%
3442    C_t_r_l,uniE173,S_h_i_f_t,uniE174,T_a_b,uniE175,E_n_t_e_r,%
3443    uniE176,C_a_p_s_l_o_c_k,uniE177,F_1,uniE178,F_2,uniE179,F_3,%
3444    uniE17A,F_4,uniE17B,F_5,uniE17C,F_6,uniE17D,F_7,uniE17E,F_8,%
3445    uniE17F,F_9,uniE180,F_1_0,uniE181,F_1_1,uniE182,F_1_2,uniE183,%
3446    F_1_3,uniE184,F_1_4,uniE185,F_1_5,uniE186,F_1_6,uniE187,uniE188,%
3447    H_o_m_e,uniE189,D_e_l,uniE18A,I_n_s,uniE18B,uniE18C,E_n_d,%
3448    uniE18E,G_N_U,uniE190,P_o_s_1,uniE191,E_n_t_f,uniE192,E_i_n_f,%
3449    uniE193,L_e_e_r,uniE194,E_s_c,uniE195,E_n_d_e,uniE196,uniE198,%
3450    uniE199,uniE19A,uniE19B,uniE1A0,uniE1A1,uniE1A2,uniE1A3,uniE1A4,%
```

```
3451        uniE1A5,uniE1A6,uniE1A7,uniE1A8,uniE1A9,uniE1AA,uniE1AB,uniE1AC,%
3452        uniE1AD,uniE1AE,uniE1B0,uniE1B1,grave.cap,uniE358,acute.cap,%
3453        uniE359,circumflex.cap,uniE35A,caron.cap,uniE35B,breve.cap,%
3454        uniE35C,hungarumlaut.cap,uniE35D,space_uni030F.cap,uniE35E,%
3455        breveinvertedcmb.cap,uniE35F,breve.cyrcap,uniE360,breve.cyr,%
3456        uniE361,dieresis.cap,uniE362,hookabovecomb.cap,uniE363,uniFFFD,%
3457      },%
3458      % Keywords of class 4 : values of keys (in key=value)
3459      morekeywords=[4]{%
3460      },%
3461      % Keywords of class 5 : arguments specifications (after ":" in expl3
3462      % syntax)
3463      morekeywords=[5]{%
3464      },%
3465      % Keywords of class 6 : current package name (and possibly derived
3466      % packages)
3467      morekeywords=[6]{%
3468        biolinum },%
3469      % otherkeywords={},
3470      % alsoletter={},
3471      % alsodigit={},%
3472      % alsoother={},%
3473      sensitive,%
3474    }[keywords,tex,comments]%
3475
3476    \lst@definelanguage[biblatex]{TeX}{%
3477      % Control sequences names
3478      moretexcs={%
3479        cite,Cite,parencite,Parencite,footcite,footcitetext,smartcite,%
3480        Smartcite,textcite,Textcite,supercite,cites,Cites,parencites,%
3481        Parencites,footcitesfootcitetexts,textcites,Textcites,supercites,%
3482        autocite,Autocite,autocite*,Autocite*,autocites,Autocites,%
3483        citeauthor,Citeauthor,citetitle,citetitle*,citeyear,citeurl,%
3484        parentext,brackettext,nocite,fullcite,footfullcite,volcite,%
3485        Volcite,pvolcite,Pvolcite,fvolcite,ftvolcite,tvolcite,Tvolcite,%
3486        avolcite,Avolcite,notecite,Notecite,pnotecite,Pnotecite,fnotecite,%
3487        citename,citelist,citefield,printbibliography,bibliography,%
3488        citedate,ExecuteBibliographyOptions,defbibnote,psq,psqq,%
3489        addbibresource,AtNextCite,DeclareNameAlias,%
3490      },%
3491      % Keywords of class 1 : keywords that contain other characters (since
3492      % of the same class as the ones specified as 'otherkeywords')
3493      morekeywords={%
3494      },%
3495      % Keywords of class 2 : environments names
3496      morekeywords=[2]{%
3497      },%
3498      % Keywords of class 3 : mandatory arguments (not environments) &
3499      % optional arguments which are keys (in key=value)
3500      morekeywords=[3]{%
3501        abstract,addendum,afterword,annotation,annotator,author,%
3502        authortype,bookauthor,bookpagination,booksubtitle,booktitle,%
```

```
3503        booktitleaddon,chapter,commentator,date,doi,edition,editor,%
3504        editora,editorb,editorc,editortype,editoratype,editorbtype,%
3505        editorctype,eid,eprint,eprintclass,eprinttype,eventdate,%
3506        eventtitle,file,foreword,holder,howpublished,indextitle,%
3507        institution,introduction,isan,isbn,ismn,isrn,issn,issue,%
3508        issuesubtitle,issuetitle,iswc,journalsubtitle,journaltitle,label,%
3509        language,library,location,mainsubtitle,maintitle,maintitleaddon,%
3510        month,nameaddon,note,number,organization,origdate,origlanguage,%
3511        origlocation,origpublisher,origtitle,pages,pagetotal,pagination,%
3512        part,publisher,pubstate,reprinttitle,series,shortauthor,%
3513        shorteditor,shorthand,shorthandintro,shortjournal,shortseries,%
3514        shorttitle,subtitle,title,titleaddon,translator,type,url,urldate,%
3515        venue,version,volume,volumes,year,crossref,entryset,entrysubtype,%
3516        execute,gender,hyphenation,indexsorttitle,keywords,options,%
3517        presort,sortkey,sortname,sorttitle,sortyear,xref,annote,%
3518        archiveprefix,journal,key,pdf,primaryclass,school,address,%
3519        datamodel,%
3520        %
3521        backend,style,citestyle,bibstyle,sorting,maxnames,minnames,%
3522        maxitems,minitems,backref,abbreviate,firstinits,prenote,postnote,%
3523        useprefix,autopunct,giveninits,labelname,given-family,%
3524      },%
3525    % Keywords of class 4 : values of keys (in key=value)
3526    morekeywords=[4]{%
3527        submitted,inpress,danish dutch,american,USenglish,english,british,%
3528        UKenglish,canadian,australian,newzealand,finnish,french,francais,%
3529        canadien,german,ngerman,austrian,naustrian,greek,italian,norsk,%
3530        nynorsk,brazil,portuges,spanish,swedish,%
3531        %
3532        biber,numeric,numeric-comp,numeric-verb,alphabetic,alphabetic-verb,%
3533        authoryear,authoryear-comp,authoryear-ibid,authoryear-icomp,%
3534        authortitle,authortitle-comp,authortitle-ibid,authortitle-icomp,%
3535        authortitle-terse,authortitle-tcomp,authortitle-ticomp,verbose,%
3536        verbose-ibid,verbose-note,verbose-inote,verbose-trad1,verbose-trad2,
        %
3537        verbose-trad3,reading,draft,debug,and,inline,footnote,%
3538        superscript,plain,nyt,ynt,none,false,true,%
3539      },%
3540    % Keywords of class 5 : arguments specifications (after ":" in expl3
3541    % syntax)
3542    morekeywords=[5]{%
3543      },%
3544    % Keywords of class 6 : current package name (and possibly derived
3545    % packages)
3546    morekeywords=[6]{%
3547      biblatex },%
3548    % directives
3549    directives={%
3550      article,book,inbook,bookinbook,suppbook,booklet,collection,%
3551      conference,incollection,suppcollection,manual,misc,online,patent,%
3552      periodical,suppperiodical,proceedings,inproceedings,reference,%
3553      inreference,report,thesis,unpublished,masterthesis,phdthesis,%
```

```
3554        string,comment,%
3555      },%
3556      % otherkeywords={},%
3557      alsoletter={-},%
3558      % alsodigit={},%
3559      delim=*[directive]@,sensitive=false,%
3560    }[keywords,directives,tex,comments]%
3561
3562    \lst@definelanguage[lthooks]{TeX}{%
3563      % Control sequences names
3564      moretexcs={%
3565        AddToHook,BeforeBeginEnvironment,AtBeginEnvironment,AtEndEnvironment
             ,%
3566        AfterEndEnvironment,%
3567      },%
3568      % Keywords of class 1 : keywords that contain other characters (since
3569      % of the same class as the ones specified as 'otherkeywords')
3570      morekeywords={%
3571      },%
3572      % Keywords of class 2 : environments names
3573      morekeywords=[2]{%
3574      },%
3575      % Keywords of class 3 : mandatory arguments (not environments) &
3576      % optional arguments which are keys (in key=value)
3577      morekeywords=[3]{%
3578        % begin,end,
3579        before,after,begindocument,begindocument/before,%
3580        begindocument/end,enddocument,enddocument/afterlastpage,%
3581        enddocument/afteraux,enddocument/info,enddocument/end,env,%
3582      },%
3583      % Keywords of class 4 : values of keys (in key=value)
3584      morekeywords=[4]{%
3585      },%
3586      % Keywords of class 5 : arguments specifications (after ":" in expl3
3587      % syntax)
3588      morekeywords=[5]{%
3589      },%
3590      % Keywords of class 6 : current package name (and possibly derived
3591      % packages)
3592      morekeywords=[6]{%
3593        lthooks },%
3594      % otherkeywords={},%
3595      alsoletter={/},%
3596      % alsodigit={},%
3597      % alsoother={},%
3598      sensitive,%
3599    }[keywords,tex,comments]%
3600
3601    \lst@definelanguage[l3keys2e]{TeX}{%
3602      % Control sequences names
3603      moretexcs={%
3604        ProcessKeysOptions,ProcessKeysPackageOptions,%
```

```
3605      },%
3606      % Keywords of class 1 : keywords that contain other characters (since
3607      % of the same class as the ones specified as 'otherkeywords')
3608      morekeywords={%
3609      },%
3610      % Keywords of class 2 : environments names
3611      morekeywords=[2]{%
3612      },%
3613      % Keywords of class 3 : mandatory arguments (not environments) &
3614      % optional arguments which are keys (in key=value)
3615      morekeywords=[3]{%
3616      },%
3617      % Keywords of class 4 : values of keys (in key=value)
3618      morekeywords=[4]{%
3619      },%
3620      % Keywords of class 5 : arguments specifications (after ":" in expl3
3621      % syntax)
3622      morekeywords=[5]{%
3623      },%
3624      % Keywords of class 6 : current package name (and possibly derived
3625      % packages)
3626      morekeywords=[6]{%
3627          l3keys2e },%
3628      % otherkeywords={},%
3629      alsoletter={23},%
3630      % alsodigit={},%
3631      % alsoother={},%
3632      sensitive,%
3633    }[keywords,tex,comments]%
3634
3635    \lst@definelanguage[varioref]{TeX}{%
3636      % Control sequences names
3637      moretexcs={%
3638          vref,vpageref,%
3639      },%
3640      % Keywords of class 1 : keywords that contain other characters (since
3641      % of the same class as the ones specified as 'otherkeywords')
3642      morekeywords={%
3643      },%
3644      % Keywords of class 2 : environments names
3645      morekeywords=[2]{%
3646      },%
3647      % Keywords of class 3 : mandatory arguments (not environments) &
3648      % optional arguments which are keys (in key=value)
3649      morekeywords=[3]{%
3650      },%
3651      % Keywords of class 4 : values of keys (in key=value)
3652      morekeywords=[4]{%
3653      },%
3654      % Keywords of class 5 : arguments specifications (after ":" in expl3
3655      % syntax)
3656      morekeywords=[5]{%
```

```
3657        },%
3658        % Keywords of class 6 : current package name (and possibly derived
3659        % packages)
3660        morekeywords=[6]{%
3661          varioref },%
3662        % otherkeywords={},
3663        % alsoletter={},
3664        % alsodigit={},%
3665        % alsoother={},%
3666        sensitive,%
3667      }[keywords,tex,comments]%
3668
3669      \lst@definelanguage[hologo]{TeX}{%
3670        % Control sequences names
3671        moretexcs={%
3672          hologo },%
3673        % Keywords of class 1 : keywords that contain other characters (since
3674        % of the same class as the ones specified as 'otherkeywords')
3675        morekeywords={%
3676        },%
3677        % Keywords of class 2 : environments names
3678        morekeywords=[2]{%
3679        },%
3680        % Keywords of class 3 : mandatory arguments (not environments) &
3681        % optional arguments which are keys (in key=value)
3682        morekeywords=[3]{%
3683        },%
3684        % Keywords of class 4 : values of keys (in key=va ,lue)
3685        morekeywords=[4]{%
3686        },%
3687        % Keywords of class 5 : arguments specifications (after ":" in expl3
3688        % syntax)
3689        morekeywords=[5]{%
3690        },%
3691        % Keywords of class 6 : current package name (and possibly derived
3692        % packages)
3693        morekeywords=[6]{%
3694          hologo%
3695        },%
3696        % otherkeywords={},
3697        % alsoletter={},
3698        % alsodigit={},%
3699        % alsoother={},%
3700        sensitive,%
3701      }[keywords,tex,comments]%
3702
3703      \lst@definelanguage[acro]{TeX}{%
3704        % Control sequences names
3705        moretexcs={%
3706          Ac,Aca,Acap,Acf,Acfp,Acl,Aclp,Acp,AcroAcronymsMap,AcroAddRow,%
3707          AcroMapBreak,AcroNeedPackage,AcroPropertiesMap,AcroPropertiesSet,%
3708          AcroRerun,AcroStyle,AcroTemplateName,AcroTemplateType,AcronymID,%
```

```
3709        AcronymTable,Acs,Acsp,BeginAccSupp,Dacs,DeclareAcroArticle,%
3710        DeclareAcroEnding,DeclareAcroPreset,DeclareAcroProperty,%
3711        DeclareAcroPropertyAlias,DeclareAcroTranslation,DeclareAcronym,Iac,%
3712        Iaca,Iacf,Iacl,Iacs,MakeAcroPropertyAlias,NewAcroCommand,%
3713        NewAcroPreset,NewAcroTemplate,RenewAcroCommand,RenewAcroPreset,%
3714        RenewAcroTemplate,SetupAcroTemplate,SetupNextAcroTemplate,%
3715        UseAcroTemplate,abbrdot,ac,aca,acap,acbarrier,acdot,acf,acfg,%
3716        acflike,acfootnote,acfp,acg,aciftrailing,acl,aclg,aclp,acp,%
3717        acreset,acresetall,acrocite,acrodefinite,acrodonotuse,acrodotfill,%
3718        acroendfootnote,acroformat,acrofull,acrogroupcite,acroheading,%
3719        acroifT,acroifTF,acroifallTF,acroifanyT,acroifanyTF,%
3720        acroifbooleanTF,acroifchapterF add,acroifchapterTF,acroiffirstT,%
3721        acroiffirstTF addchap,acroifpagesTF,acroifsingleTF,acroifstarredTF,%
3722        acroiftagTF,acroifusedTF,acroindefinite,acrolistname,acroneedpages,%
3723        acronopagerange,acronymsmap,acronymsmapF,acronymsmapTF,acropagefill,
            %
3724        acropages,acroplural,acropossessive,acropreamble,acroshow,%
3725        acrotranslate,acroupper,acrowrite,acs,acsetup,acsp,acspace,%
3726        acswitchoff,acswitchon,acuse,dacs,declareAcronym,iac,iaca,iacf,%
3727        iacl,iacs,iacsg,printacronyms,%
3728        %
3729        acro_locale,acro_if_foreign,acro_if_locale,__acro_foreign_language,%
3730        acro_property_get,acro_property_if_set,acro_property_get,%
3731      },%
3732      % Keywords of class 1 : keywords that contain other characters (since
3733      % of the same class as the ones specified as 'otherkeywords')
3734      morekeywords={%
3735      },%
3736      % Keywords of class 2 : environments names
3737      morekeywords=[2]{%
3738      },%
3739      % Keywords of class 3 : mandatory arguments (not environments) &
3740      % optional arguments which are keys (in key=value)
3741      morekeywords=[3]{%
3742        activate,addsec,addsec*,all,alt,alt,alt-acc,alt-format,%
3743        alt-indefinite,alt-plural,alt-plural-form,barriers,before-citation,%
3744        caption,%
3745        case-insensitive,%case-sensitive,%chapter,chapter*,cite,clear,cmd,%
3746        deactivate,define,description,disable,display,exclude,extra,%
3747        extra-acc,extra-foreign,extra-format,extra-long,fill,first,%
3748        first-long,first-long-format,first-style,first-style ,floats,%
3749        footnote,foreign,foreign,foreign-acc,foreign-babel,foreign-format ,%
3750        foreign-locale,foreign-plural,foreign-plural-form,format,format,%
3751        group,heading,id,include,index,index,index-cmd,index-sort,%
3752        language,link-only-first,list,list,list-acc,list-format,%
3753        list/display,lists,load-style,local,locale,lof,long,long,%
3754        long-acc,long-format,long-indefinite,long-plural,long-plural-ending,
            %
3755        long-plural-form,long-post,long-short,longtable,longtabu,lppl,%
3756        ltxtable,make-links,maketitle,method,name,no-index,none,options,%
3757        pages,pdf,pdf,pdfcomment,pdfcomment/cmd,pdfcomment/use,pdfstring,%
3758        post,pre,preamble,preset,replace,reset,section,section*,short,%
```

```
3759          short,short,short-acc,short-format,short-indefinite,short-long,%
3760          short-plural,short-plural-ending,short-plural-form ,show,single,%
3761          single,single,single-acc threshold,single-format
3762          title,single-style,%
3763          single-style,sort,sort,subsequent-style,subsequent-style,%
3764          supertabular,tabular,tabularx,tag,upgrade,use,use-id-as-short,%
3765          uselist,version,%
3766        },%
3767        % Keywords of class 4 : values of keys (in key=value)
3768        morekeywords=[4]{%
3769        },%
3770        % Keywords of class 5 : arguments specifications (after ":" in expl3
3771        % syntax)
3772        morekeywords=[5]{%
3773        },%
3774        % Keywords of class 6 : current package name (and possibly derived
3775        % packages)
3776        morekeywords=[6]{%
3777          acro%
3778        },%
3779        % otherkeywords={},%
3780        alsoletter={-_},%
3781        % alsodigit={},%
3782        % alsoother={},%
3783        sensitive,%
3784      }[keywords,tex,comments]%
3785
3786      \lst@definelanguage[csquotes]{TeX}{%
3787        % Control sequences names
3788        moretexcs={%
3789          enquote,%
3790        },%
3791        % Keywords of class 1 : keywords that contain other characters (since
3792        % of the same class as the ones specified as 'otherkeywords')
3793        morekeywords={%
3794        },%
3795        % Keywords of class 2 : environments names
3796        morekeywords=[2]{%
3797          displayquote,%
3798        },%
3799        % Keywords of class 3 : mandatory arguments (not environments) &
3800        % optional arguments which are keys (in key=value)
3801        morekeywords=[3]{%
3802        },%
3803        % Keywords of class 4 : values of keys (in key=value)
3804        morekeywords=[4]{%
3805        },%
3806        % Keywords of class 5 : arguments specifications (after ":" in expl3
3807        % syntax)
3808        morekeywords=[5]{%
3809        },%
3810        % Keywords of class 6 : current package name (and possibly derived
```

```
3811        % packages)
3812        morekeywords=[6]{%
3813          csquotes%
3814        },%
3815        % otherkeywords={},
3816        % alsoletter={},
3817        % alsodigit={},%
3818        % alsoother={},%
3819        sensitive,%
3820      }[keywords,tex,comments]%
3821
3822      %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3823      % tcolorbox
3824      %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3825      \lst@definelanguage[tcolorbox]{TeX}%
3826      {%
3827        % Control sequences names
3828        moretexcs={%
3829          tcbuselibrary,newtcbtheorem,tcbset%
3830        },%
3831        % Keywords of class 1 : keywords that contain other characters (since
3832        % of the same class as the ones specified as 'otherkeywords')
3833        morekeywords={%
3834          %
3835        },%
3836        % Keywords of class 2 : environments names
3837        morekeywords=[2]{%
3838          absquote,boxarraystore,dispExample,dispExample*,dispListing,%
3839          dispListing*,docCommand,docCommand*,docCommands,docEnvironment,%
3840          docEnvironment*,docEnvironments,docKey,docKey*,docKeys,%
3841          docPathOperation,docPathOperation*,docPathOperations,extcolorbox,%
3842          extikzpicture,fooauxenv,foocolorbox,foocolorbox*,posterboxenv,%
3843          tcbclipframe,tcbclipinterior,tcbcliptitle,tcbexternal,%
3844          tcbinvclipframe,tcbitemize,tcblisting,tcboutputlisting,%
3845          tcboxeditemize,tcboxedraster,tcbposter,tcbraster,tcbverbatimwrite,%
3846          tcbwritetemp,tcolorbox,%
3847        },%
3848        % Keywords of class 3 : mandatory arguments (not environments) &
3849        % optional arguments which are keys (in key=value)
3850        morekeywords=[3]{%
3851          Crefname,IfBooleanF,IfBooleanT,IfBooleanTF,IfNoValueF,IfNoValueT,%
3852          IfNoValueTF,IfValueF,IfValueT,IfValueTF,PassOptionsToClass,%
3853          PassOptionsToPackage,above*,above,actual,adapt,add,adjust,%
3854          adjusted,after,alert,alerted,algorithm,align*,align,all,ams,%
3855          and,angular,annotate,app,arara,arc,array,as,at,attach,auto,%
3856          autoparskip,balanced,base,basedim,baseline,beamer,bean,before,%
3857          beforeafter,% begin,
3858          below,between,biber,bibtex,bicolor,blank,%
3859          blanker,blankest,blend,body,bold,bookmark*,bookmark,borderline,%
3860          both,bottom*,bottom,bottomrule,bottomsep,bottomtitle,bounding,%
3861          box,boxed,boxes,boxrule,boxsep,break*,break,breakable,broken,%
3862          by,caption,capture,center,check,circular,clear,clip,code,%
```

```
3863        colback,colbacklower,colbacktitle,colframe,collower,colon,color,%
3864        colorize,colors,colspacing,coltext,coltitle,column*,column,%
3865        columns,colupper,command,comment,compilable,compiler,compress,%
3866        content,corner,corners,counter*,counter,counters,coverage,%
3867        crefname,current,curved,dash,default,definition,delimiters,%
3868        description,detach,directory,do,doc,docexample,documentation,%
3869        downwards,draft,draftmode,draw,drop,dvips,east,empty,% end,
3870        %
3871        enforce,engine,english,enhanced,enlarge,enlargement,enlargepage,%
3872        entry,environment,environments,equal,equation*,equation,error,%
3873        even,every,example!,example,extend,extension,external,%
3874        externalize,extras,extrude,fade,fading,file,fill,filled,finally,%
3875        finish,first,fit,fitting,fixed,flexible,flip,float*,float,%
3876        floatplacement,flush,flushleft,flushright,font,fontlower,fontsize,%
3877        fonttitle,fontupper,for,force,format,formatter,frame,freelance,%
3878        freelancefirst,freelancelast,freelancemiddle,freestyle,freeze,from,%
3879        full,fuzzy,gap,gather*,gather,geometry,german,goal,graphical,%
3880        graphics,group,grow,halign,halo,hanging,hbox,head,height,%
3881        hidden,hide,higher,highlight,hooks,horizontal,hyperlink,hyperref,%
3882        hypertarget,hyperurl*,hyperurl,hyphenationfix,if,ignore,image,in,%
3883        indent,index*,index,inherit,initially,input,inputencoding,inside,%
3884        interior,into,invisible,inwards,is,jigsaw,jpg,key,keypath,keys,%
3885        keywords,label,language,large,last,latex,layer,layers,left*,%
3886        left,lefthand,leftlower,leftright,leftrule,lefttitle,leftupper,%
3887        length,lengths,level,lifted,limit,line*,line,lines,list,%
3888        listing!,listing,listings,listingsutf,lower*,lower,lowerbox,%
3889        lowered,lualatex,m,macros,magazine,makeindex,many,marginnote,%
3890        marker,math,maxfontdiff,maxfontdiffgap,maxstep,maxwidthdiff,%
3891        maxwidthdiffgap,method,midday,middle,minimum,minipage,minted,%
3892        most,move,multicolumn,multirow,n,name,nameref,natural,new,%
3893        nirvana,no,nobeforeafter,nobreak,node,nodes,nodisplayskip,%
3894        nofloat,none,noparskip,nophantom,north,northeast,northwest,not,%
3895        notitle,number,octogon,odd,of,offset,on,oneside*,oneside,only,%
3896        opacity,opacityback,opacitybacklower,opacitybacktitle,opacityfill,%
3897        opacityframe,opacitylower,opacitytext,opacitytitle,opacityupper,%
3898        option,options,or,orientation,out,outer,outside,outwards,over,%
3899        overlay,overlays,oversize,overzoom,pad,page*,page,pages,%
3900        pageshort,parameter,parbox,parenthesis,parfillskip,parskip,path,%
3901        paths,pdf,pdflatex,percent,phantom,phantomlabel,placeholder,%
3902        plain,plus,png,poster,pre,preamble,preclass,prefix,process,%
3903        pspdf,quote,raise,raised,raster,ratio,record,recording,remake,%
3904        remember,remove,reset,restore,right*,right,righthand,rightlower,%
3905        rightrule,righttitle,rightupper,rotate,rounded,row,rows,%
3906        rowspacing,rowspan,run,runner,runs,safety,savedelimiter,%
3907        savelowerto,saveto,scale,scope,segmentation,semi,separated,%
3908        separator,sequence,settings,shade,shading,shadow,sharp,sharpish,%
3909        shield,show,showframe,shrink,side,sidebyside,sidewards,sign,%
3910        size,skin,skins,skip,small,smart,sort,source,south,southeast,%
3911        southwest,space,spacing,span,spartan,split,spread,square,%
3912        squeezed,stack,standard,step,store,stretch,style,subskin,%
3913        subtitle,supplement,switch,system,tabulars*,tabulars,tabularx*,%
3914        tabularx,tcbimage,tcbox,preamble tcbset,tempfile,terminator,text,%
```

```
3915          theorem,theorems,tight,tikz,tikznode,tile,title*,title,titlebox,%
3916          titled,titlerule,to,toggle,top*,top,toprule,topsep,toptitle,%
3917          type,unbreakable,unbroken,underlay,updated,upper*,upper,upperbox,%
3918          upwards*,upwards,use,utf,valign,value,values,varwidth,verbatim,%
3919          vertical,vfill,vignette,visible,void,warning,watermark,west,%
3920          widget,width,with,within,xelatex,xmax,xmin,xparse,xshift,ymax,%
3921          ymin,yshift*,yshift,yshifttext,zoom,%
3922        },%
3923        % Keywords of class 4 : values of keys (in key=value)
3924        morekeywords=[4]{%
3925          all,and,apart,areasize*,areasize,as-is,auto,base,baselineskip,%
3926          beamer,beamerfirst,beamerlast,beamermiddle,bicolor,bicolorfirst,%
3927          bicolorlast,bicolormiddle,both,bottom,break,broken,center,change,%
3928          clipped,colon,copy,dash,direct,doc,downhill,draft,east,empty,%
3929          emptyfirst,emptylast,emptymiddle,enhanced,enhancedfirst,%
3930          enhancedlast,enhancedmiddle,evenpage,false,fbox,figures,final,%
3931          first,fitbox,flush,fontsize*,fontsize,forced,freelance,%
3932          freelancefirst,freelancelast,freelancemiddle,hang,hbox,hybrid*,%
3933          hybrid,ignored,invisible,jigsaw,justify,landscape*,landscape,%
3934          last,left,limited,listings,margin,maximum,middle,minimal,%
3935          minimum,minipage,minted,none,normal,north,northeast,northwest,%
3936          off,on,path,pathfirst,pathfirstjigsaw,pathjigsaw,pathlast,%
3937          pathlastjigsaw,pathmiddle,pathmiddlejigsaw,pgf,pgfchapter,%
3938          pgfsection,plain,portrait*,portrait,right,rows,scale*,scale,%
3939          seam,small,south,southeast,southwest,spartan,squeeze,standard,%
3940          tables,tight,tile,tilefirst,tilelast,tilemiddle,title,top,true,%
3941          unbroken,unlimited,uphill,visible,west,widget,widgetfirst,%
3942          widgetlast,widgetmiddle,red,black,white,none,%
3943        },%
3944        % Keywords of class 5 : arguments specifications (after ":" in expl3
3945        % syntax)
3946        morekeywords=[5]{%
3947        },%
3948        % Keywords of class 6 : current package name (and possibly derived
3949        % packages)
3950        morekeywords=[6]{%
3951          tcolorbox%
3952        },%
3953        % otherkeywords={},%
3954        alsoletter={ \ },%
3955        % alsodigit={},%
3956        % alsoother={},%
3957        sensitive,%
3958      }[keywords,tex,comments]%
3959
3960      %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3961      % Classes (La)TeX
3962      %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3963      \lst@definelanguage[classes]{TeX}{%
3964        % Control sequences
3965        moretexcs={%
3966        },%
```

```
3967      % Keywords of class 1 : keywords that contain other characters
3968      % (since of the same class as the ones specified as
3969      % 'otherkeywords')
3970      morekeywords={%
3971        %
3972      },%
3973      % Keywords of class 2 : environments names
3974      morekeywords=[2]{%
3975      },%
3976      % Keywords of class 3 : mandatory arguments (not environments)
3977      % & optional arguments which are keys (in key=value)
3978      morekeywords=[3]{%
3979      },%
3980      % Keywords of class 4 : values of keys (in key=value)
3981      morekeywords=[4]{%
3982      },%
3983      % Keywords of class 5 : arguments specifications (after ":"
3984      % in expl3 syntax)
3985      morekeywords=[5]{%
3986      },%
3987      % Keywords of class 6 : current package name (and possibly
3988      % derived packages)
3989      morekeywords=[6]{%
3990        a0poster,aalok,aastex631,abntex2,achemso,acmart,acmconf,
3991        active-conf,adfathesis,afparticle,afthesis,aguplus,aiaa-tc,
3992        akklecture,akkscript,akktecdoc,akletter,myletter,ametsoc,
3993        amsart,amsbook,amsdtx,amsldoc,amsproc,aomart,apa,apa6,
3994        apa6e,apa7,arabart,arabbook,arabrep,arabrep1,articleingud,
3995        asaetr,ascelike,asmeconf,asmejour,assignment,aucklandthesis,
3996        bangorcsthesis,bangorexam,barticle,bbook,bletter,
3997        bankstatement,article,book,letter,ltnews,ltxdoc,ltxguide,
3998        minimal,proc,report,slides,source2edoc,basque-book,beamer,
3999        beamerswitch,beaulivre,beilstein,argetabelle,bewerbung,
4000        bgteubner,BHCexam,bitart,bitbook,bjfuthesis,BMSTU-IU8,
4001        bookcover,bookest,bookshelf,br-lex,brandeis-dissertation,
4002        brandeis-problemset,brandeis-thesis,buctcover,buctthesis,
4003        bxjsarticle,bxjsbook,bxjsreport,bxjsslide,cascadilla,cd,
4004        cd-cover,articoletteracdp,letteracdp,cesenaexam,cheatsheet,
4005        chemmacros-manual,chletter,cje,cnbwp,cnltx-doc,codedoc,
4006        colorart,colorbook,combine,cc,ConcProg,confproc,contracard,
4007        courseoutline,coursepaper,cquthesis,csbulletin,csbulobalka,
4008        csbulv1,ctexart,ctexbeamer,ctexbook,ctexrep,ctxdoc,curve,
4009        cv4tw,cweb,idcc,ijdc-v14,ijdc-v9,dinbrief,disser,gost732,
4010        dithesis,droit-fr,dtk,dvdcoll,easybook,ebsthesis,agecon,
4011        ajae,apecon,ecca,erae,itaxpf,jrurstud,njf,oegatb,pocoec,
4012        regstud,worlddev,ecv,einfart,ejpecp,elbioimp,elegantbook,
4013        elegantnote,elegantpaper,elpres,cas-dc,cas-sc,elsarticle,
4014        elteikthesis,emisa,emulateapj,erdc,eskd,eskdgraph,eskdtab,
4015        eskdtext,estcpmm,europasscv,europecv,exam,exam-n,examdesign,
4016        exesheet,extarticle,extbook,extletter,extproc,extreport,
4017        facsimile,factura,fancyhandout,fancyslides,fbithesis,fcavtex,
4018        fdudoc,fduthesis-en,fduthesis,fei,ffslides,fithesis,
```

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4019    fithesis2, fithesis3, fithesis4, flacards, flashcards, frletter,
4020    g-brief, g-brief2, gaceta, gammas, gatech-thesis, gmdocc,
4021    gradstudentresume, grant-afosr, grant-aro, grant-darpa, grant-doe,
4022    grant-nih, grant-nrl, grant-nsf, grant-onr, grant, graphpaper,
4023    gridslides, gsemthesis, guitartabs, gzt, gztarticle, h2020proposal,
4024    hgbarticle, hgbreport, hgbthesis, harnon-cv, hausarbeit-jura,
4025    hcart, hcletter, hcreport, hcslides, hecthese, hepthesis, hitec,
4026    hithesis, hitreport, hitszthesis, hletter, hpsdiss, fsbispit,
4027    huawei, hustthesis, icsv, IEEEconf, IEEEtran, ijmart, ijsra,
4028    image-gallery, IMTEKda, inkpaper, invoice-class, iodhbwm, iscram,
4029    isov2, isodoc, iwhdp, jacow, jlreq, jmlr, jmlrbook, jnuexam, jpsj2,
4030    jura, jurabook, juraovw, juraurtl, kdgcoursetext, kdgmasterthesis,
4031    kdpcover, kerntest, kluwer, knittingpattern, scrartcl, scrarticle,
4032    scrbook, scrdoc, scrletter, scrlttr2, scrreport, scrreprt, komacv,
4033    oblivoir-utf, oblivoir-xl, oblivoir, xoblivoir, ksp-thesis, l3doc,
4034    labbook, leadsheet, leaflet, lebhart, lectures, letgut, lettre, limap,
4035    limecv, lion-msc, lni, lps, lt3graph-packagedoc, ltxdockit,
4036    ltxguidex, abstbook, beletter, flashcard, iagproc, cours, fiche,
4037    matapli, matc3mem, mcmthesis, ltxmdf, medstarbeamer, meetingmins,
4038    memoir, mensa-tex, mentis, metanorma, milog, minimart, minimbook,
4039    mla, mluexercise, mnras, moderncv, modernposter, msu-thesis,
4040    mucproc, mugsthesis, muling, musuos, muthesis, third-rep, mwart,
4041    mwbk, mwrep, mycv, nature, ncc, nccproc, sibjnm, nddiss2e,
4042    ndsu-thesis, newlfm, nih, nihbiosketch, njurepo, nlctdoc, nostarch,
4043    nrc1, nrc2, artikel1, artikel2, artikel3, boek, boek3, brief,
4044    rapport1, rapport3, nwejm, nwejmart, octavo, onrannual,
4045    oup-authoring-template, journal, paper, papertex, pbsheet, pecha,
4046    petiteannonce, philosophersimprint, pittetd, pkuthss, plari, play,
4047    postcards, powerdot, FUpowerdot, ppr-prv, pracjourn, pressrelease,
4048    proposal, reporting, dfgproposal, dfgreporting, euproposal,
4049    eureporting, prosper, protocol, prtec, upmgr, wkmgr, pst-doc,
4050    ptptex, qcm, quantumarticle, qyxf-book, ReadableCV, recipe,
4051    RecipeBook, recipecard, refart, refrep, resphilosophica, revtex4-2,
4052    revtex4, revtex4-1, rtklage, ryersonSGSThesis, ryethesis, sageep,
4053    sapthesis, schuleab, schulein, schuleit, schulekl, schuleub,
4054    schuleue, schullsg, schullzk, schulma-ab, schulma-gutachten,
4055    schulma-klausur, schulma-komp, schulma-mdlprf, schulma-praes,
4056    schwalbe, sciposter, screenplay, scrjrnl, sdapsclassic, sduthesis,
4057    seminar, semproc, sesamanuel, seuthesix, sffms, cassete, etiketka,
4058    shtthesis, caesar_book, sides, simplecv, simplivre, skbarticle,
4059    skbbeamer, skbbook, skblncsbeamer, skblncsppt, skbmoderncv, skdoc,
4060    skeyval-testclass, skrapport, smfart, smfbook, SPhdThesis, spie,
4061    sr-vorl, sslides, stage, standalone, usthesis, hwexam, mikoslides,
4062    omdoc, smglom, subfiles, suftesi, sugconf, tabriz-thesis, talk,
4063    tcldoc, tclldoc, powersem, thesis-ekf, thesis-gwu, thuthesis,
4064    tikz-kalender, tikzposter, tlc-article, TOPletter, toptesi,
4065    tudabeamer, tudaexercise, tudaleaflet, tudaletter, tudaposter,
4066    tudapub, tudasciposter, tudscrartcl, tudscrbook, tudscrdoc,
4067    tudscrmanual, tudscrposter, tudscrreprt, tufte-book, tufte-handout,
4068    ltugboat, ltugproc, tui, turabian, turabian-researchpaper,
4069    turabian-thesis, my-thesis, ua-thesis, uafthesis,
4070    uantwerpenbamathesis, uantwerpencoursetext, uantwerpenexam,
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4071        uantwerpenletter,uantwerpenphdthesis,uantwerpenreport,
4072        ucalgmthesis,ucbthesis,ucdavisthesis,ucsmonograph,ucthesis,
4073        udesoftec,uebungsblatt,uestcthesis,uhhassignment,uiucredborder,
4074        uiucthesis,ulthese,legislation,umich-thesis,umthesis,
4075        unam-thesis,unifith,unitn-bimrep,univie-ling-expose,
4076        univie-ling-paper,univie-ling-thesis,univie-ling-wlg,
4077        unizgklasa,uothesis,UoWthesis,upmethodology-document,URbeamer,
4078        URletter,uspatent,ut-thesis,utexasthesis,uwmslide,uwthesis,
4079        verifica,webquiz,willowtreebook,withargs-packagedoc,
4080        wsemclassic,xduthesis,xebaposter,xmuthesis,xsim-manual,
4081        yaletter,yathesis,ycbook,ydoc,york-thesis,
4082      },%
4083    % otherkeywords={},%
4084    alsoletter={0123456789-},%
4085    % alsodigit={},%
4086    sensitive%
4087 }[keywords,tex,comments]%
```

GUTenberg

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 TEXnique de questions et réponses : https://texnique.fr/

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

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☙ ADHÉSION À L'ASSOCIATION

— 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 TUG, 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 TUG	95 €
Membre individuel étudiant/demandeur d'emploi	15 €
Membre individuel étudiant + adhésion TUG	55 €
Association d'étudiants	65 €
Organisme à but non lucratif	130 €
Organisme à but lucratif	229 €

Règlements

Les règlements peuvent s'effectuer par :

— **virement bancaire** [2] (IBAN : FR76 1870 7000 3003 0191 3568 475)

> **Veillez à bien *indiquer vos nom et prénom* dans les références du virement !**

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2. Nous vous remercions de **privilégier** le **virement bancaire**.