La LETTRE GUTenberg

Support for the newsletter "La Lettre GUTenberg"

Association GUTenberg

21 mai 2023

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

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    {2023-05-21}
3    {0.9.7}
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

In order to provide class options, we load the l3keys2e which provides LaTeX 2_ε option processing using LaTeX3 keys :

```
1   \RequirePackage{l3keys2e}
```

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 2_ε.

```
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.stackexcha
nge.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 'begindo-
cument' 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_tmpa_box {
4    \fontsize{0.25\paperwidth}{0.3\paperwidth}
5    \selectfont
6    \c__letgut_draftwatermark_text_tl
7  }
8  \hbox_set:Nn \l_tmpb_box {
9    \hbox_overlap_center:n {
10      \box_use:N \l_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_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_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    \keys_define:nn { letgut }
2    {
3      , for-readers  .bool_gset:N = \g__letgut_for_readers_bool
4      , for-readers .initial:n = { true }
5      , for-authors .bool_gset_inverse:N = \g__letgut_for_readers_bool
6      , draft .bool_gset:N = \g__letgut_draft_bool
```

```
 7        , draft .initial:n = { true }
 8        , draft .default:n = { true }
 9        , final .bool_gset_inverse:N = \g__letgut_draft_bool
10        , paper .code:n = {
11          \bool_gset_true:N \g__letgut_paper_bool
12          \pagecolor[rgb]{\c__letgut_default_pagecolor_paper_clist}
13          \clist_set_eq:NN \g__letgut_pagecolor_clist
14            \c__letgut_default_pagecolor_paper_clist
15        }
16        , screen .code:n = {
17          \bool_gset_false:N \g__letgut_paper_bool
18        }
19        , number .int_gset:N = \g__letgut_number_int
20        , date .code:n = { \__letgut_date_parse:n { #1 } }
21        , date .initial:x = {\the\year-\the\month}
22        , pagecolor .initial:V
23          = \c__letgut_default_pagecolor_screen_clist
24        , pagecolor .code:n = {
25          \definecolor{letgut_pagecolor}{rgb}{#1}
26          \AddToHook{begindocument/before}
27          {
28            \bool_if:NTF \g__letgut_paper_bool {
29              \msg_warning:nnn{letgut}{
30                pagecolor~inoperative~with~paper~option
31              }{#1}
32            }{
33              \clist_gset:Nn \g__letgut_pagecolor_clist { #1 }
34              \pagecolor[rgb]{#1}
35            }
36          }
37        }
38        , 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  \ProcessKeysOptions { 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          \phantomsection\addcontentsline{toc}{title}{#1}
28        }
29      }
30    \NewTColorBox{announcement}{ O{} m }
31    {
32      announce~ style,
33      title=#2,
34      borderline~ west={1cm}{0pt}{\l__letgut_toc_color_announce_tl},
35      phantom={\__letgut_toc_title_announce:nn {
          \l__letgut_toc_title_announce_tl}{#2}},
36      overlay~ unbroken~ and~ first ={
37        \node[color=\l__letgut_toc_color_announce_tl]~ at~ ([yshift=8pt]
          title.south)
38        {\pgfornament[width=0.4\linewidth]{88}};
39        \node[color=white,anchor=north~ west]~ at~ (frame.north~ west) {
          \huge\bfseries\aldineright{}};
40      },
41      #1,
42      coltitle=\l__letgut_toc_color_announce_tl,
43    }
```

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.

```
1    \dim_const:Nn \c__letgut_first_page_shrink_dim {
2      \c__letgut_banner_thickness_dim
3      +
4      \c__letgut_tmargin_dim
5      +
```

```
6        \c__letgut_textheight_dim
7        -
8        .5\paperheight
9        -
10       .5\c__letgut_banner_height_dim
11     }
12     \enlargethispage{
13       - \c__letgut_first_page_shrink_dim
14     }
15     \enlargethispage{
16       - \baselineskip
17     }
```

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

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

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

Here, we insert the title, but don't rely on \maketitle because it lets to \relax the command \title which is used later as new sectionning levels for the titles of the

articles of the Lettre. So we emulate the 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_tmpa_seq { - }  {#1}
4    \seq_set_map_x:NNn \l_tmpb_seq \l_tmpa_seq {
5      \text_titlecase_first:n{ \text_lowercase:n {##1} }
```

```
6      }
7      \tl_set:Nx \l_tmpa_tl {\seq_use:Nn \l_tmpb_seq {-}}
8      \seq_clear:N \l_tmpa_seq
9      \seq_set_split:NnV \l_tmpa_seq { ~ }  { \l_tmpa_tl }
10     \seq_set_map_x:NNn \l_tmpb_seq \l_tmpa_seq {
11       \text_titlecase_first:n{##1}
12     }
13     \seq_use:Nn \l_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_tmpa_seq {~and~} {#2}
24     \IfBooleanT{#1}{
25       \seq_sort:Nn \l_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_tmpa_seq {
33       \seq_set_from_clist:Nn \l_tmpb_seq {##1}
34       \seq_pop_left:NN \l_tmpb_seq \l_letgut_last_name_tl
35       \seq_pop_left:NN \l_tmpb_seq \l_letgut_first_name_tl
36       \seq_pop_left:NN \l_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 :

```
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_tmpa_seq { ~ } { #2 }
2    \seq_set_map:NNn \l_tmpb_seq \l_tmpa_seq {{
       \l__letgut_softwares_font_switch_tl ##1}}
3    \tl_if_empty:nTF {#1}
4    {
5      \seq_use:Nn \l_tmpb_seq { ~ }
6    }{
7      \href{#1}{ \seq_use:Nn \l_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_tmpa_tl {\tl_head:n { #1 }}
7         \tl_set:Nn \l_tmpb_tl { #1 }
8         \tl_case:NnF \l_tmpa_tl {
9           {\c__letgut_plus_tl}  {\int_eval:n {\g__letgut_number_int
          \l_tmpa_tl\tl_range:Nnn \l_tmpb_tl { 2 } { -1 }}}
10           {\c__letgut_minus_tl} {\int_eval:n {\g__letgut_number_int
          \l_tmpa_tl\tl_range:Nnn \l_tmpb_tl { 2 } { -1 }}}
11           {\c__letgut_dot_tl}   {\int_use:N \g__letgut_number_int}
12         }
13         {\l_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 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 book-
marks) 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     }%
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}{)}%
```

---

1. long

```
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_tmpa_bool
4        \clist_map_break:
5      }
6    }
7    \bool_if:NTF \l_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    \lstset{ style=__letgut_reset_listings_styles }
4    \acresetall%
5    \input{#2}%
6    \bool_if:NT \g__letgut_included_files_attached_bool {
7      \IfBooleanF {#1}{
8        \__letgut_attach_non_empty_existing_file:n {
9          \c__letgut_local_config_file_tl
10         }
11         \__letgut_attach_non_empty_existing_file:n {
12           \c__letgut_pre_documentclass_file_tl
13         }
14         \seq_gput_left:Nn \g__letgut_included_files_seq {
15           \attachfile[
16           description={Source~ du~ présent~ article~ (fichier~ `#2.tex`)},
17           mimetype=application/x-tex]
18           {#2.tex}
19         }
20         \bool_if:NT \g__letgut_acronyms_file_attached_bool {
21           \seq_gput_right:No \g__letgut_included_files_seq {
22             \c__letgut_acronyms_file_attached_tl
23           }
24         }
25         \bool_if:NT \g__letgut_lstlanguage_file_attached_bool {
26           \seq_gput_right:No \g__letgut_included_files_seq {
27             \c__letgut_lstlanguage_file_attached_tl
28           }
```

```
29              }
30              \seq_remove_duplicates:N \g__letgut_included_files_seq
31              \marginpar{\seq_use:Nn \g__letgut_included_files_seq { } }
32              \seq_clear:N \g__letgut_included_files_seq
33              \bool_gset_false:N \g__letgut_acronyms_file_attached_bool
34              \bool_gset_false:N \g__letgut_lstlanguage_file_attached_bool
35          }
36        }
37      }
38      \NewDocumentCommand{\inputarticle}{ s m }{
39        \__letgut_input_article:nn { #1 } { #2 }
40      }
```

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_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_tmpa_bool
23      \clist_map_inline:Nn \l_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_tmpa_bool
39           }
40         }
41       }
42     \bool_if:NF \g_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_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/FrankMittelbach/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_tmpa_int {\getpagerefnumber{#1}}
25    \tl_set:Nn \l_tmpb_int {\thepage}
26    \int_compare:nNnF {\l_tmpa_int} = {\l_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_tmpa_tl {
8       \getpagerefnumber {
9         \g__letgut_callout_label_ltx_example_str
10       }
11     }
12     \tl_set:Nx \l_tmpb_tl {
13       \getpagerefnumber {
14         \g__letgut_label_ltx_example_str
```

```
15          }
16        }
17      \tl_if_eq:NNF \l_tmpa_tl \l_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_tmpa_tl {
13        \getpagerefnumber {
14          \g__letgut_callout_label_ltx_example_str
15        }
16      }
17      \tl_set:Nx \l_tmpb_tl {
18        \getpagerefnumber {
19          \g__letgut_label_ltx_example_str
20        }
21      }
22      \tl_if_eq:NNF \l_tmpa_tl \l_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_tmpa_tl {
6         alsolanguage={#2}
7       }
8       \exp_args:NV \__letgut_tcbset:n
9       {
10        \l_tmpa_tl
11      }
12    }{
13      \seq_set_from_clist:Nn \l_tmpa_seq {#1}
14      \seq_set_map_x:NNn \l_tmpb_seq \l_tmpa_seq {
```

```
15        alsolanguage={[##1]#2}
16      }
17      \tl_set:Nx \l_tmpa_tl
18      {
19        \seq_use:Nn \l_tmpb_seq {,}
20      }
21      \exp_args:NV \__letgut_tcbset:n
22      {
23        \l_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_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_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_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     ^^00%
17    }
18    \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}[2023-05-21 v0.9.7 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}[2023-05-21 v0.9.7 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}[2023-05-21 v0.9.7 letgut base citation style]
2    \RequireCitationStyle{numeric}
```

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

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

… but not their subtitles.

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

Provided files

Example file of an issue of the newsletter

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

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

```
67    % % maximum de l'ensemble du document. C'est ce que
68    % % permet l'option `detailedtoc`.
69    %
70    % , detailedtoc
71    %
72    % % Les fichiers sources sont attachés au PDF si et seulement si la
        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!
```

```latex
 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}
```

```latex
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}

63  \vspace*{-0.7cm}
64  \section{Tarifs \the\year}

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  % }.

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
93    \end{tabular}
94  \end{center}

96  \section{Règlements}

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        lstgrindeffile,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_tmpa_bool,g_tmpa_box,%
1101          g_tmpa_clist,g_tmpa_coffin,g_tmpa_dim,g_tmpa_fp,g_tmpa_int,%
1102          g_tmpa_ior,g_tmpa_iow,g_tmpa_muskip,g_tmpa_prop,g_tmpa_regex,%
1103          g_tmpa_seq,g_tmpa_skip,g_tmpa_str,g_tmpa_tl,g_tmpb_bool,g_tmpb_box,%
1104          g_tmpb_clist,g_tmpb_coffin,g_tmpb_dim,g_tmpb_fp,g_tmpb_int,%
1105          g_tmpb_ior,g_tmpb_iow,g_tmpb_muskip,g_tmpb_prop,g_tmpb_regex,%
1106          g_tmpb_seq,g_tmpb_skip,g_tmpb_str,g_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_tmpa_bool
```

```
             ,%
1149         l_tmpa_box,l_tmpa_clist,l_tmpa_coffin,l_tmpa_dim,l_tmpa_fp,%
1150         l_tmpa_int,l_tmpa_muskip,l_tmpa_prop,l_tmpa_regex,l_tmpa_seq,%
1151         l_tmpa_skip,l_tmpa_str,l_tmpa_tl,l_tmpb_bool,l_tmpb_box,%
1152         l_tmpb_clist,l_tmpb_coffin,l_tmpb_dim,l_tmpb_fp,l_tmpb_int,%
1153         l_tmpb_muskip,l_tmpb_prop,l_tmpb_regex,l_tmpb_seq,l_tmpb_skip,%
1154         l_tmpb_str,l_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,layouthoffset,%
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]%
3068
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,
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,
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/

> **Cette association est la vôtre : faites-nous part de vos idées, de vos envies, de vos préoccupations à l'adresse secretariat[at]gutenberg[dot]eu[dot]org.**

☞ 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 2023

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 !**

— Paypal[2] : https://www.gutenberg-asso.fr/?Adherer-en-ligne
— bulletin et chèque[2] : https://www.gutenberg-asso.fr/?Adherer-a-l-association

---

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