

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

Support for the newsletter “La Lettre GUTenberg”

Association GUTenberg

13 janvier 2023

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

GUTenberg

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Identification

```

1  % This is file `letgut.cls',
2  % generated with the Emacs Org-babel utility.
3  %
4  % The original source file is letgut.org
5  %
6  % -----:| -----
7  % letgut:| Class for the newsletter “La Lettre GUTenberg”
8  % Author:| Association GUTenberg
9  % E-mail:| secretariat@gutenberg.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 $\text{\LaTeX 2}_{\epsilon}$, 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 {2023-01-13}
3 {0.9.5}
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 emptiness of the title.

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

— For the paper (or not) output.

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

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

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

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

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

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

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

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

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

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

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

Dimensions

— Geometry of the document

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

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

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

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

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

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

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

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

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

— Horizontal offset of the headers and the sections titles :

```

1 \dim_const:Nn \c__letgut_hoffset_dim { 3cm }
2 \dim_const:Nn \c__letgut_title_hoffset_dim {
3   -\c__letgut_hoffset_dim
4 }
5 \dim_const:Nn \c__letgut_subtitle_hoffset_dim {
6   \c__letgut_title_hoffset_dim
7 }
8 \dim_const:Nn \c__letgut_section_hoffset_dim {
9   \c__letgut_title_hoffset_dim + 1cm
10 }
11 \dim_const:Nn \c__letgut_subsection_hoffset_dim {
12   \c__letgut_title_hoffset_dim + 1.5cm
13 }
14 \dim_const:Nn \c__letgut_subsubsection_hoffset_dim {
15   \c__letgut_title_hoffset_dim + 2cm
16 }
17 \dim_const:Nn \c__letgut_paragraph_hoffset_dim {
18   \c__letgut_title_hoffset_dim + 2.5cm
19 }
20 \dim_const:Nn \c__letgut_subparagraph_hoffset_dim {
21   \c__letgut_title_hoffset_dim + 3cm
22 }

```

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

```

1 \dim_const:Nn \c__letgut_head_rule_skip_dim { 0.115cm }

```

— Head rule width :

```

1 \dim_const:Nn \c__letgut_head_rule_width_dim { 0.03cm }

```

— Dimensions of the banner.

— Thickness of the “L”.

```

1 \dim_const:Nn \c__letgut_banner_thickness_dim { 4cm }

```

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

```

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

```

— Height of the membership reminder box.

```

1 \dim_new:N \g__letgut_membership_reminder_box_height_dim

```

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

```

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

```

— Dimensions used by the listings and the examples.

```

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

```

8 }

Skips (lengths with rubber components)

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

1 \AddToHook{begindocument/before}{%

Before and after :

— “titles titles” :

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

— subtitles titles :

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

— sections titles :

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

— subsections titles (identical to the sections ones) :

```
1   \skip_const:Nn \c__letgut_before_subsection_title_skip
2   {
3     \c__letgut_before_section_title_skip
4   }
5   \skip_const:Nn \c__letgut_after_subsection_title_skip
6   {
7     \c__letgut_after_section_title_skip
8   }
```

— paragraphs titles :

```

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

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

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

```

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

```
1 }
```

Integers

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

Strings

```

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

```

Token lists

1. Constant ones

```

1 \tl_const:Nn \c__letgut_online_issn_tl {
2   2742-6149~ (version~ numérique)
3 }
4 \tl_const:Nn \c__letgut_paper_issn_tl {
5   -12572217~ (version~ papier)
6 }
7 \tl_const:Nn \c__letgut_cahier_tl { \emph{ Cahier } }
8 \tl_const:Nn \c__letgut_cahiers_tl {

```



```

9      \c__letgut_cahier_tl \emph{ s }
10    }
11    \tl_const:Nn \c__letgut_gnu_linux_tl { \software{GNU/Linux} }
12    \tl_const:Nn \c__letgut_macOS_tl { \software{macOS} }
13    \tl_const:Nn \c__letgut_windows_tl { \software{Windows} }
14    \tl_const:Nn \c__letgut_package_tl { package }
15    \tl_const:Nn \c__letgut_class_tl { classe }
16    \tl_const:Nn \c__letgut_file_tl { fichier }
17    \tl_const:Nn \c__letgut_software_tl { logiciel }
18    \tl_const:Nn \c__letgut_tugboat_tl { \emph{ TUGboat } }
19    \tl_const:Nn \c__letgut_tex_live_tl {
20      \hologo{ TeX }\nobreakspace Live
21    }
22    \tl_const:Nn \c__letgut_banner_file_tl { bandeau }
23    \tl_const:Nn \c__letgut_editorial_file_tl { editorial }
24    \tl_const:Nn \c__letgut_informations_gutenberg_file_tl {
25      informations-gut
26    }
27    \tl_const:Nn \c__letgut_acronyms_file_tl { letgut-acronyms }
28    \tl_const:Nn \c__letgut_local_config_file_tl { localconf }
29    \tl_const:Nn \c__letgut_lstlanguage_file_tl { letgut-lstlang.sty }
30    \tl_const:Nn \c__letgut_contents_name_tl { Sommaire }
31    \tl_const:Nn \c__letgut_draftwatermark_text_tl {
32      \textnormal{Brouillon}
33    }
34    \tl_const:Nn \c__letgut_membership_reminder_tl {
35      {\LARGE
36        \bfseries
37        Avez-vous~ pensé~ à~ régler~ votre~ cotisation~ ?
38        % \the\year~ ?
39        \par
40        \medskip
41      }
42      Si~ vous~ avez~ oublié,~ ce~ n'est~ ni~ trop~ tard~
43      ni~ difficile~ :
44      \par
45      \url{https://www.gutenberg-asso.fr/?Adherer-en-ligne}
46      \bool_if:NT \g__letgut_informations_bool {
47        \file_if_exist:nT
48        {./\c__letgut_informations_gutenberg_file_tl}{
49          \par
50          Voir~ aussi~ page~ \pageref{letgut_label_adhesions}.
51        }
52      }
53    }
54    \tl_const:Nn \c__letgut_missing_editorial_tl {
55      Ne~ pas~ omettre~ l'éditorial~ !\(\à~ faire~ figurer~
56      dans~ un~ \file*{\c__letgut_editorial_file_tl.tex}~
57      dans~ le~ dossier~ courant)
58    }
59    \tl_const:Nn \c__letgut_missing_infomations_tl {
60      Ne~ pas~ omettre~ les~ informations~ sur~

```

```

61   \c__letgut_gutenberg_tl{}~ !\\(dans~ un~
62   \file*{\c__letgut_informations_gutenberg_file_tl.tex}~
63   situé~ soit~ dans~ le~ dossier~ courant, soit~ dans~ le~
64   dossier~ parent)
65   }
66   \tl_const:Nn \c__letgut_default_alert_box_color_tl {
67     gray9
68   }
69   \tl_const:Nn \c__letgut_default_allcolors_links_color_tl
70   {
71     teal!60!black
72   }

```

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

```

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 $\text{\LaTeX} 2_{\epsilon}$ option processing using $\text{\LaTeX} 3$ 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 be typeset with 11pt as global font size.

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

We now load some packages.

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

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

- For subliminal refinements towards typographical perfection.

```

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

```

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

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

- Extensive control of page headers and footers in \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 \LaTeX 3 (for the alert boxes typeset as simple tabulars).
1 `\RequirePackage{tabulararray}`
- 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 beginning of the document :

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

  — Extensive support for hypertext in  $\text{\LaTeX}$ 
1   \RequirePackage{hyperref}

  — Adjusting the anchors of captions
1   \RequirePackage[all]{hycap}

  — Intelligent cross-referencing
1   \RequirePackage[french]{cleveref}
```

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

```
1 }
```

Settings for the loaded packages

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

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

- Concerning floats, we ask :

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

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

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

```
1 \renewcommand*\frenchtablename{Tableau}
```

- The `\printbibliography` command is redefined in order its heading is by default set to subbibliography.

```
1 \NewCommandCopy{\__letgut_old_printbibliography}{
2   \printbibliography
3 }
4 \RenewDocumentCommand {\printbibliography} { 0{} } {
5   \phantomsection
6   \__letgut_old_printbibliography[#1]
7   \bool_if:NT \g__letgut_included_files_attached_bool {
8     \seq_map_inline:Nn \g__letgut_added_bib_resources_seq {
9       \seq_gput_right:Nn \g__letgut_included_files_seq {#1}}
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 typeset in its short form, with small caps shape. When they are (English) foreign, it will be specified and the translation will be added.

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

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

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

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

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

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

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

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

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

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

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

```
1 \file_if_exist:NTF {./\c__letgut_acronyms_file_tl}{
2   \tl_gset:Nn \g__letgut_effective_acronyms_file_tl {./
   \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 {
9          \c__letgut_acronyms_file_tl}
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://github.com/ho-tex/luacolor/issues/4>).

```

1  % % \bool_if:NF \g__letgut_paper_bool {
2  \bool_if:NT \g__letgut_draft_bool {
3    % \RequirePackage[All]{lua-typo}
4    \AddToHook{shipout/background}
5    {
6      \__letgut_unselectable:n {
7        \put(0.5\paperwidth,-0.5\paperheight)
8        {
9          \Huge

```

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

```

1  % \color_fill:n {black!10}
2  \color{black!10}
3  \hbox_set:Nn \l_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 watermark is rotated in order to be parallelly slanted to the first diagonal of the page (angle = arctan(paper height/paper width)).

```

1  \box_rotate:Nn \l_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,
- `allcolorlinks` for the color of (all) the links,
- `membership-reminder` that typesets a membership reminder on the first page,
- `editorial` depending on the editorial is wanted or not,
- `informations` depending on the GUTenberg informations are wanted or not,
- `detailedtoc` depending on the automatic ToC is wanted maximally (until subparagraphs) detailed or not.

```

1     \keys_define:nn { letgut }
2     {
3         , for-readers .code:n = {
4             \bool_gset_true:N \g__letgut_for_readers_bool
5             \bool_gset_false:N \g__letgut_included_files_attached_bool
6         }
7         , for-readers .initial:n = { true }
8         , for-readers .default:n = { true }
9         , for-authors .bool_gset_inverse:N = \g__letgut_for_readers_bool
10        , draft .bool_gset:N = \g__letgut_draft_bool
11        , draft .initial:n = { true }

```

```

12 , draft .default:n = { true }
13 , final .bool_gset_inverse:N = \g__letgut_draft_bool
14 , paper .code:n = {
15   \bool_gset_true:N \g__letgut_paper_bool
16   \pagecolor[rgb]{\c__letgut_default_pagecolor_paper_clist}
17   \clist_set_eq:NN \g__letgut_pagecolor_clist
18     \c__letgut_default_pagecolor_paper_clist
19   \bool_gset_false:N \g__letgut_included_files_attached_bool
20 }
21 , screen .bool_gset_inverse:N = \g__letgut_paper_bool
22 , number .int_gset:N = \g__letgut_number_int
23 , date .code:n = { \__letgut_date_parse:n { #1 } }
24 , date .initial:x = {\the\year-\the\month}
25 , pagecolor .initial:V
26   = \c__letgut_default_pagecolor_screen_clist
27 , pagecolor .code:n = {
28   \definecolor{letgut_pagecolor}{rgb}{#1}
29   \AddToHook{begindocument/before}
30   {
31     \bool_if:NTF \g__letgut_paper_bool {
32       \msg_warning:nnn{letgut}{
33         pagecolor~inoperative~with~paper~option
34       }{#1}
35     }{
36       \clist_gset:Nn \g__letgut_pagecolor_clist { #1 }
37       \pagecolor[rgb]{#1}
38     }
39   }
40 }
41 , allcolorslinks .code:n = {
42   \colorlet{letgut_allcolors_links}{#1}}
43 , allcolorslinks .initial:V
44   = \c__letgut_default_allcolors_links_color_tl
45 , membership-reminder .bool_gset:N
46   = \g__letgut_membership_reminder_bool
47 , membership-reminder .initial:n = { true }
48 , editorial .bool_gset:N = \g__letgut_editorial_bool
49 , editorial .initial:n = { true }
50 , informations .bool_gset:N = \g__letgut_informations_bool
51 , informations .initial:n = { true }
52 , detailedtoc .bool_gset:N = \g__letgut_detailedtoc_bool
53 , detailedtoc .initial:n = { false }
54 , source-files-attached .bool_gset:N =
55   \g__letgut_force_included_files_attached_bool
56 \ProcessKeysOptions { letgut }

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[R0,LE]{\thepage}
3 \fancyhead[RE,L0]{\g__letgut_mark_tl}
```

- The headers are left offset

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

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

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

Marginal notes

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

```
1 \reversemarginpar
```

Table of contents

The table of contents is customized :

- layout :

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

```

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

```

— its title is dropped :

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

Geometry of the document

```

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

```

Alert box

```

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

```

Announcements

```

1 \DeclareTColorBox{announcement}{ 0{black} m }
2 {
3   colframe=#1,
4   coltitle=#1,
5   borderline~ west={1cm}{0pt}{#1},
6   IfBlankF={#2}{
7     title=\hypersetup{hidelinks}#2,
8     phantom={\phantomsection\addcontentsline{toc}{title}{#2}},
9   },
10  enhanced,
11  sharp~ corners,
12  boxrule=0mm,
13  leftrule=1cm,
14  bottomrule=1cm,
15  toptitle=20pt,
16  bottomtitle=20pt,
17  center~ title,
18  fonttitle=\scshape\bfseries\huge,
19  fontupper=\Large,
20  fontlower=\Large,
21  skin=empty,
22  segmentation~ style=solid,
23  halign=center,
24  overlay~ unbroken~ and~ first ={
25    \node[color=#1]~ at~ ([yshift=8pt]title.south)
26    {\pgfornament[width=0.4\linewidth]{88}};
27    \node[color=white,anchor=north~ west]~ at~ (frame.north~ west) {
28      \huge\bfseries\aldineright{}};
29  },
30 }
```

Rebus

```

1 \NewDocumentCommand{\solution}{}{\tcbblower}
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}{+!0{}}{%
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\rebus\solution*[\thetcbcounter][[]]},
48   #1
49 }
50 \NewDocumentCommand{\rebus\solution}{s +o o 0{}}{%
51   \IfValueTF{#2}{
52     \begin{tcolorbox}[
53       rebus~ style,
54       halign=justify,
55       before~ title={\leifthand{}~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         }
62         \IfValueTF{#3}{
63           #3
64         }{
65           précédente
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
4     > \c_zero_int
5     {numéro~ \int_use:N\g__letgut_number_int}{~ --- }
6     \g__letgut_date_tl
7 }
8 \str_if_empty:NTF \g__letgut_@title_str {
9     \tl_gset:Nn \g__letgut_mark_tl {
10        \textit{\c__letgut_La_lettre_gutenberg_tl}
11    }
12 }{
13     \tl_gset:Nn \g__letgut_mark_tl {
14         \g__letgut_@title_str
15     }
16 }
17 }

```


First page handling

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

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

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

```

1 \AddToHook{begindocument/before}{
2   \bool_if:NT \g__letgut_for_readers_bool {
1   \file_if_exist:nTF {\c__letgut_banner_file_tl.pdf}{
2     \AddToHookNext{shipout/background}
3     {
4       \begin{picture}(0,0)
5         \put(-2cm,-25.275cm){
6           \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
12
13         > \c_zero_int
14         {
15           \c_space_tl~ \int_use:N \g__letgut_number_int
16         }
17       },
18     pdfauthor={
19       Association~
20       \c__letgut_gutenberg_tl
21       \c_space_tl
22       (éditeur)
23     },
24   }
25   \vspace*{1cm}
26 }{
27   \hypersetup{
28     pdftitle={\g__letgut_@title_str}

```

```

17     }
18     \tl_if_empty:NF \@author {
19         \hypersetup{
20             pdfauthor={\@author}
21         }
22     }

```

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

```

1 \null
2 \vskip 2em%
3 \begin{center}%
4     \let \footnote \thanks
5     {\LARGE \@title \par}%
6     \vskip 1.5em%
7     {\large
8         \lineskip .5em%
9         \begin{tabular}[t]{c}%
10             \@author
11         \end{tabular}\par}%
12     \vskip 1em%
13     {\large \@date}%
14 \end{center}%
15 \par
16 \vskip 1.5em
17 }

```

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

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

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

```

1 \bool_if:NTF \g__letgut_detailedtoc_bool {
2     \etocsetnexttocdepth{5}
3 }{
4     \etocsetnexttocdepth{0}
5 }
6 \pdfbookmark[1]{
7     \c__letgut_contents_name_tl
8 }{
9     \c__letgut_contents_name_tl
10 }
11 \tableofcontents
12 \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}

10    % \if\count{\pagenumber}>1
11    % \else
12    % \newpage
13    % \fi
14  }{
15    \msg_warning:nn{letgut}{Editorial~file~missing}
16    \alertbox{ \c__letgut_missing_editorial_tl }
17    \newpage
18  }
19 }{
20   % \newpage
21 }

```

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

```

1 }

```

Membership reminder.

```

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

```

```

19     }
20 }

```

Last page handling

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

```

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

```

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

```

1  \bool_if:NT \g__letgut_informations_bool {
2    \clearpage
3    \phantomsection
4    \file_if_exist:nTF {./\c__letgut_informations_gutenberg_file_tl}{
5      \inputarticle*{
6        ./\c__letgut_informations_gutenberg_file_tl
7      }
8    }{
9      \file_if_exist:nTF {../\c__letgut_informations_gutenberg_file_tl}{
10        \inputarticle*{
11          ../\c__letgut_informations_gutenberg_file_tl
12        }
13      }{
14        \file_if_exist:nTF {\c__letgut_informations_gutenberg_file_tl}{
15          \inputarticle*{
16            \c__letgut_informations_gutenberg_file_tl
17          }
18        }{
19          \msg_warning:nn{letgut}{Informations~file~missing}
20          \alertbox{ \c__letgut_missing_infomations_tl }
21        }
22      }
23    }
24  }

```

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

```

1  }

```

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

```

1  }
2  }

```

Sections, subsections, etc.

Numbering

We want all the sections to be unnumbered.

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

Format

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

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

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

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

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

```
1 \AddToHook{begindocument/before}{%
2   \titleclass{\title}{straight}[\part]
3   \titleformat{\title}{
4     \normalfont
5     \LARGE
6     \bfseries
7   }{}{1em}{
8     \aldineleft\c_space_tl\text_uppercase:n
9   }
10  \etocsetlevel{title}{0}
11  \def\toclevel@title{0}%
12  \etocsetstyle {title}
13  {}
14  {
15    \leavevmode\leftskip 2cm\relax
16  }
17  {
18    \bool_if:NTF \g__letgut_detailedtoc_bool {
19      \bfseries
20    }{
21      \mdseries
22    }
23    \normalsize
24    \etocname
25    \nobreak\leaders\hbox~ to~ 1ex{\hss.}\hfill
26    \etocpage
27    \par
28  }
```

29 {}

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

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

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

```
1     \AddToHook{cmd/title/before}{
2         \etocsetlevel{section}{1}
3         \def\toclevel@section{1}%
4         \etocsetlevel{subsection}{2}
5         \def\toclevel@subsection{2}%
6         \etocsetlevel{subsubsection}{3}
7         \def\toclevel@subsubsection{3}%
8         \etocsetlevel{paragraph}{4}
9         \def\toclevel@paragraph{4}%
10        \etocsetlevel{subparagraph}{5}
11        \def\toclevel@subparagraph{5}%
12     }
13    \AddToHook{cmd/subtitle/before}{
14        \etocsetlevel{section}{2}
15        \def\toclevel@section{2}%
16        \etocsetlevel{subsection}{3}
17        \def\toclevel@subsection{3}%
18        \etocsetlevel{subsubsection}{4}
19        \def\toclevel@subsubsection{4}%
20        \etocsetlevel{paragraph}{5}
21        \def\toclevel@paragraph{5}%
22        \etocsetlevel{subparagraph}{6}
23        \def\toclevel@subparagraph{6}%
24    }
```

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

```
1     \titleformat{\paragraph}{
2         \normalfont
3         \normalsize
4         \bfseries
5     }{\theparagraph}{1em}{}}
6     \titleformat{\subparagraph}{
7         \normalfont
```

```

8      \normalsize
9      \bfseries
10     }{\thesubparagraph}{1em}{}
11   }

```

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

```

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

```

Document commands

Setup

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

```

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

```

For the rubric dedicated to new stuffs appeared on CTAN

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

```

1  \cs_new_protected:Nn \__letgut_ctan_news_item:n {
2    \package{#1}~:
3  }
4  \newlist{ctannews}{description}{1}

```


5 \setlist[ctannews]{format=_letgut_ctan_news_item:n}
 The stuffs created by French speaking people are highlighted in a special way
 and, for this, a starred variant of the \item command is provided. We insert a
 systematic \phantomsection in order the cross-references to such items are
 correct.

```

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

```

— Command that inserts the « francophony » logo.

```

1    \NewDocumentCommand {\francophony} { } {
2      \raisebox{-1.5pt}{
3       \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~
3   remarques~
4   pertinentes~ ou~ par~ leurs~ articles,~ ont~ contribué~ à~ cette~
5   \lettre{}~ :~ %
6 }
7 \tl_const:Nn \c__letgut_postamble_list_of_contributors_tl {
8   \c_space_tl (et~ nous~ espérons~ n'avoir~ oublié~ personne).
9 }
10 \cs_new_protected:Nn \__letgut_list_of_contributors:nnn
11 {
12   \par
13   \fbox{
14     \begin{minipage}[t]{\linewidth-2\fboxsep-2\fboxrule}
15       #1
16       \person*{#3}
17       #2
18     \end{minipage}
19   }

```

```

18     }
19   }
20   \NewDocumentCommand {\listofcontributors} {
21     O{\c__letgut_preamble_list_of_contributors_tl}
22     O{\c__letgut_postamble_list_of_contributors_tl}
23     m
24   } {
25     \__letgut_list_of_contributors:nnn {#1} {#2} {#3}
26   }

```

Horizontal rule

```

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

```

Alert boxes

```

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

```

Typesetting of packages, classes, files and softwares.

The `\c__letgut_httpsprefix_tl` comes from :

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

```

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

```

We define the font switches dediacted to each of packages and classes (T_EX 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}
7   \cs_new_protected:Nn \__letgut_tex_stuff:nn
8   {
9     \IfNoValueTF {#1}
10    {
11      \href{
12        \c__letgut_httpsprefix_tl ctan.org/pkg/#2
13      }{
14        {\l__letgut__tex_stuff_font_switch_tl #2}
15      }
16    }{
17      \tl_if_empty:nTF {#1}
18      {

```

```

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 {{
3     \l__letgut_software_font_switch_tl ##1}}
4   \tl_if_empty:nTF {#1}
5   {
6     \seq_use:Nn \l_tmpb_seq { ~ }
7   }{
8     \href{#1}{ \seq_use:Nn \l_tmpb_seq { ~ } }
9   }
10  \cs_new_protected:Nn \__letgut_file:n
11  {
12    {\l__letgut_files_font_switch_tl #1}
13  }
14  \NewDocumentCommand{\package}{ s o m 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 :

- preceded by “n°” if used starred,
- by default the current one,
- possibly shifted w.r.t. the current one, depending on the first token of the optional argument :
 - if it is not `.`, `+` nor `-` : this argument (pretty useless : it is easier to directly type the desired number),
 - if it is `.` : the current number of the *Lettre* (pretty useless : it is easier to just not use the optional argument),
 - if it is `+` or `-` followed by a number : the current number of the *Lettre*, shifted by what is specified.

```

1  \cs_new_protected:Npn \__letgut_get_lettre_number:n #1
2  {
3    \tl_if_empty:nTF {#1}{
4      \int_use:N \g__letgut_number_int
5    }{
6      \tl_set:Nx \l_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
10         \l_tmpa_tl\l_range:Nnn \l_tmpb_tl { 2 } { -1 }}}
11        {\c__letgut_minus_tl} {\int_eval:n {\g__letgut_number_int
12         \l_tmpa_tl\l_range:Nnn \l_tmpb_tl { 2 } { -1 }}}
13        {\c__letgut_dot_tl} {\int_use:N \g__letgut_number_int}
14      }
15      {\l_tmpb_tl}
16    }
17  }
18  \NewDocumentCommand { \lettrenumber } { s O{} } {
19    \IfBooleanT{#1}{
20      \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 “n°” if used starred,
- followed by some strings, depending on the first token of their optional argument :
 - if it is not `.`, `+` nor `-` : this argument,
 - if it is `.` : the current number of the *Lettre*,
 - if it is `+` or `-` followed by a number : the current number of the *Lettre*, shifted by what is specified.

```

1  \tl_const:Nn \c__letgut_plus_tl { + }
2  \tl_const:Nn \c__letgut_minus_tl { - }
3  \tl_const:Nn \c__letgut_dot_tl { . }
4  \cs_new_protected:Npn \__letgut_lettre:nnn #1 #2 #3
5  {
6    \c__letgut_Lettre_tl #2
7    \tl_if_empty:nF {#1}{
8      {
9        #3
10       \nobreakspace
11       \__letgut_get_lettre_number:n {#1}
12     }
13   }
14   \NewDocumentCommand { \lettre } { s 0{} } {
15     \IfBooleanTF{#1}{
16       \__letgut_lettre:nnn { #2 } { } { } {
17         \tl_if_empty:nF {#2}{
18           \c_space_tl\no
19         }
20       }
21     }{
22       \__letgut_lettre:nnn { #2 } { } { } { }
23     }
24   }
25   \NewDocumentCommand { \lettregut } { s 0{} } {
26     \IfBooleanTF{#1}{
27       \__letgut_lettre:nnn { #2 } { \c_space_tl \c__letgut_gutenberg_tl }
28       { \c_space_tl\no }
29     }{
30       \__letgut_lettre:nnn { #2 } { \c_space_tl \c__letgut_gutenberg_tl }
31       { }
32     }
33   }

```

The `\lettre` and `\lettregut` can be used in titles, sections, etc. (involving 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 } { 0{} m } {
10   \__letgut_unicode_code:nn {#1}{#2}
11 }

```

Bookmarks handling

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

```

1 \AddToHook{begindocument/end}{
2   \pdfstringdefDisableCommands{
3     \RenewExpandableDocumentCommand\person { m }{#1}
4     \RenewExpandableDocumentCommand\author { m }{#1}
5     \RenewExpandableDocumentCommand \package { s 0{} m }{
6       \IfBooleanT{#1}{\c__letgut_package_tl\c_space_tl}#3
7     }
8     \RenewExpandableDocumentCommand\class { s 0{} m }{
9       \IfBooleanT{#1}{\c__letgut_class_tl\c_space_tl}#3
10    }
11    \RenewExpandableDocumentCommand\file { s m }{
12      \IfBooleanT{#1}{\c__letgut_file_tl\c_space_tl}#2
13    }
14    \RenewExpandableDocumentCommand\software { s 0{} m }{
15      \IfBooleanT{#1}{\c__letgut_software_tl\c_space_tl}#3
16    }
17    \RenewExpandableDocumentCommand\foreignloc{ m }{#1}
18    \RenewExpandableDocumentCommand\latinloc{ m }{#1}
19    \RenewExpandableDocumentCommand\lettre{ }{Lettre}
20    \RenewExpandableDocumentCommand\gutenberg{ }{GUTenberg}
21    \RenewExpandableDocumentCommand\gut{ }{\gutenberg}
22    \RenewExpandableDocumentCommand\lettregut{ }{
23      \lettre\c_space_tl\gutenberg
24    }

```

```

25 \RenewExpandableDocumentCommand\Cahier{ }{\Cahier}
26 \RenewExpandableDocumentCommand\Cahiers{ }{\Cahier s}
27 \RenewExpandableDocumentCommand\cahier{ }{\Cahier}
28 \RenewExpandableDocumentCommand\cahiers{ }{\cahier s}
29 \RenewExpandableDocumentCommand\cahiergut{ }{
30   \cahier\c_space_tl\gutenberg
31 }
32 \RenewExpandableDocumentCommand\cahiersgut{ }{
33   \cahier s\c_space_tl\gutenberg
34 }
35 \RenewExpandableDocumentCommand\letgut{ }{\letgut}
36 \RenewExpandableDocumentCommand\letgutcls{ }{\classe~ letgut}
37 \RenewExpandableDocumentCommand\knuth{ }{\Donald~ E.~ Knuth}
38 \RenewExpandableDocumentCommand\lamport{ }{\Leslie~ Lamport}
39 \RenewExpandableDocumentCommand\linux{ }{\GNU/Linux}
40 \RenewExpandableDocumentCommand\macos{ }{\macOS}
41 \RenewExpandableDocumentCommand\windows{ }{\Windows}
42 }
43 }

```

Acronyms

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

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

```

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

```

```

27     }
28   }{
29     \exp_args:Nx \DeclareAcronym{\text_lowercase:n {#2}}{
30       short = \text_lowercase:n {#2},
31       sort= #2,
32       long = {#3},
33       pdfstring = #2,
34       short-acc = #2,
35       #1
36     }
37   }

```

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

```

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

```

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

```

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

```

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

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

```

1 \let\__letgut_next_token\relax
2 \cs_new_protected:Npn \__letgut_next_token_is_footnote:
3 { \if_meaning:w\footnote\__letgut_next_token\textsuperscript{,}\fi}
4 \NewCommandCopy{\__letgut_old_footnote}{\footnote}
5 \RenewDocumentCommand {\footnote} { 0{} m }{
6   \bool_set_true:N \l__letgut_in_footnote_bool
7   \tl_if_empty:nTF {#1}{

```

```

8      \_letgut_old_footnote { #2 }
9    }{
10     \_letgut_old_footnote [#1] { #2 }
11   }
12   \bool_set_false:N \l__letgut_in_footnote_bool
13   \futurelet\_letgut_next_token\_letgut_next_token_is_footnote:
14 }

```

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

```

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

```

If we are in a footnote, first occurrences of the acronyms are displayed as “short (long)”. Otherwise, they are displayed as “short”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}{

```

1. long

```

33     \acrowrite{foreign}\acroifT{extra}{, }
34 }%
35 \acroifT{extra}{\acrowrite{extra}}%
36 \acroifanyT{foreign,extra}{\acspace {}}%
37 \acrowrite{list}%
38 \acroifT {extra-foreign} {
39   , \c_space_tl \acrowrite {extra-foreign}
40 }
41 \acroifanyT{foreign,extra}{})}%
42 \acropagefill
43 \acropages
44 {\acrotranslate{page}\nobreakspace}
45 {\acrotranslate{pages}\nobreakspace}%
46 }
47 {\item\AcroRerun}
48 \end{description}
49 }
50 % #1: id
51 % #2: property
52 % #3: text
53 \cs_set_protected:Npn \acro_locale:nnn #1#2#3
54 {
55   \acro_if_foreign:nTF {#2}
56   {
57     \acro_if_locale:nnTF {#1} {#2}
58     {
59       \__acro_foreign_language:en
60       { \str_lowercase:e {
61         \acro_property_get:nn {#1} {foreign-babel}
62       }
63     }
64     {#3}
65     \bool_if:NTF \l__acro_list_bool
66     { \bool_if:NT \l__acro_list_show_locale_bool }
67     { \bool_if:NT \l__acro_show_locale_bool }
68     {
69       {
70         \l__acro_locale_format_tl
71         {
72           \acro_property_if_set:nnTF {#1} {
73             foreign-locale
74           }
75           {
76             \acspace
77             [
78               \acro_property_get:nn {#1} {
79                 foreign-locale
80               }
81             ]
82           }{
83             \baselanguage
84             {

```

```

85         \acro_property_get:nn {#1} {
86             foreign-babel
87         }
88     }
89 }
90 }
91 }
92 :~
93 }
94 }
95 {#3}
96 }
97 {#3}
98 }

```

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

```

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

```

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

```

1 \NewAcroTemplate[heading] {title}
2 { \title { \acrolistname } }
3 \NewAcroTemplate[heading] {subtitle}
4 { \subtitle { \acrolistname } }

```

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

```

1 \@onlypreamble\letgutacro

```

Bibliography

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

```

1 \NewCommandCopy{\__letgut_old_citeauthor}{
2     \citeauthor
3 }
4 \RenewDocumentCommand {\citeauthor} { 0{} 0{} m } {
5     \AtNextCite{\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 {
37        \seq_gput_right:Nn \g__letgut_included_files_seq {##1}}
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#1Ü\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
```

Miscellaneous

— We specify the possible hyphenations of « GUTenberg ».

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

ISSN

```

1  \cs_new_protected:Npn \__letgut_issn:
2  {
3      \bool_if:NTF \g__letgut_paper_bool {
4          \cs_letgut_paper_issn_tl
5      }{
6          \cs_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 format de document portable (if desired, otherwise, use the starred version).

```

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_show:N \g__letgut_included_files_attached_bool
7      \bool_if:NT \g__letgut_included_files_attached_bool {
8          \IfBooleanF {#1}{
9              \seq_gput_left:Nn \g__letgut_included_files_seq {
10                 \attachfile[
11                     description={Source~ du~ présent~ article~ (fichier~ `#2.tex`)},
12                     mimetype=application/x-tex]%
13                 {#2.tex}%
14             }
15             \bool_if:NT \g__letgut_acronyms_file_attached_bool {
16                 \seq_gput_right:No \g__letgut_included_files_seq {
17                     \c__letgut_acronyms_file_attached_tl
18                 }
19             }
20             \bool_if:NT \g__letgut_lstlanguage_file_attached_bool {
21                 \seq_gput_right:No \g__letgut_included_files_seq {
22                     \c__letgut_lstlanguage_file_attached_tl
23                 }
24             }
25             \seq_remove_duplicates:N \g__letgut_included_files_seq
26             \marginpar{\seq_use:Nn \g__letgut_included_files_seq { } }
27             \seq_clear:N \g__letgut_included_files_seq
28             \bool_gset_false:N \g__letgut_acronyms_file_attached_bool
29             \bool_gset_false:N \g__letgut_lstlanguage_file_attached_bool
30         }
31     }
32 }
33 \NewDocumentCommand{\inputarticle}{ s m }{

```

```

34   \_letgut_input_article:nn { #1 } { #2 }
35 }

```

Included graphics attached to the format de document portable

We hack the \includegraphics command in order to attach the included graphics to the format de document portable (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~
31                   article~ (fichier~ `#3##1`)},
32                   mimetype=image/##1
33                 ]
34                 {#3##1}
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~
45         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 format de document portable

We hack the `\addbibresource` command in order to attach the bibliographic resources to the format de document portable (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 format de document portable

We hack the `\ac` and `\acs` commands in order to attach the acronym definitions file to the format de document portable.

```

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 format de document portable

We hack the \ac and \acs commands in order to attach the acronym definitions file to the format de document portable.

```

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~ langues~ 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 }
22 \AddToHook{begindocument/before}{
23     \bool_if:NTF \g__letgut_force_included_files_attached_bool {
24         \bool_gset_true:N \g__letgut_included_files_attached_bool
25     }{
26         \bool_gset_false:N \g__letgut_included_files_attached_bool
27     }
28 }

```

Listings

We define a style for all the listings which resets all the T_EX 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}\textitshape,
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 },%
6
1  \literate=*\%
2  {\backslash}{\color{__letgut_texcs}\textbackslash\textbackslash}{2}%
3  {\backslash}{\textcolor{__letgut_math}\textbackslash}{2}%
4  {\backslash}{\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 `tclobox`'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 `tclobox`'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 `tclobox`'s `result` width option that let us specify the width of the result which is `\linewidth` by default.

```

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

```

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

```

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

```

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

```

1 sidebyside@true/.code={%
2     \tcb@sidebyside@true%
3     \tcb@isbreakable@false%
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}
42     \int_compare:nNnT {\thetcbbreakpart} > {1} {~(suite)}
43   }
44   \__letgut_code_result_mention_box:nn {
45     [yshift=.1mm]segmentation.east
46   } {résultat}
47   \else%
48     % 2 = Box contains only a lower part
49     \__letgut_code_result_mention_box:nn {interior.north~ east} {résultat}
50     \int_compare:nNnT {\thetcbbreakpart} > {1} {~(suite)}
51   }
52   \fi
53   \fi
54 },
55 },
56 }

```

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}{ !0{} }{%
5   __letgut_code,
6   listing~ only,

```

```

7      #1%
8  }

```

1. both L^AT_EX code and its result :

(a) ordinary :

```

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

```

1. with the result obtained externally :

```

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

```

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

```

1  \skip_const:Nn \c__letgut_orig_intextsep_skip {\intextsep}
2  \skip_const:Nn \c__letgut_reduced_intextsep_skip {
3    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 `TEX`dialects specified in the class. So we provide a specific command that let us specify (the dialects of) the main language (T_EXby 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}{ 0{TeX} m}{%
28     \__letgut_also_language_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,catt,cfdisk,chatr,chrp,%
18        chkconfig,chmod,chown,chpasswd,chroot,cksum,clear,cmp,comm,%
19        cp,cpio,cron,crontab,csplit,curl,cut,date,dc,dd,ddrescue,%
20        df,diff,diff3,dig,dir,dircolors,dirname,dmesg,dos2unix,%

```

```

21     dpkg, du, egrep, eject, env, ethtool, expand, expr, false, fdformat, %
22     fdisk, fgrep, file, find, fmt, fold, format, free, fsck, ftp, fuser, %
23     gawk, grep, 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     uuencode, uencode, 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 }
15
16 \bool_if:NTF \g__letgut_paper_bool {
17     \colorlet{__letgut_foreground_terminal}{
18         __letgut_foreground_terminal_light
19     }
20     \colorlet{__letgut_background_terminal_stdin}{
21         __letgut_background_terminal_light_stdin
22     }
23     \colorlet{__letgut_background_terminal_stdout}{
24         __letgut_background_terminal_light_stdout
25     }
26 }
27 }{

```

```

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 ½
14 ^^^^2122% for ™
15 ^^00%
16 }
17 \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}[2023-01-13 v0.9.5 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}[2023-01-13 v0.9.5 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}[2023-01-13 v0.9.5 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      % , allcolorlinks=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
73  \setmainfont{TeX Gyre Schola} % Par exemple
74
75  \usepackage[maths=both]{duckuments}
76  \usepackage{mwe}
77
78  % \addbibresource{biblio.bib}
79
80  \begin{document}
81  \duckument
82  \end{document}
83
84  %%% Local Variables:
85  %%% TeX-engine: luatex
86  %%% TeX-master: t
87  %%% End:

```

Example of an editorial

```

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

```

Informations about GUTenberg

```

1  % Hey, Emacs! This is a -*- mode: latex -*- file!
2
3  \enlargethispage{1.5cm}
4  \small
5  \vspace*{-1cm}
6  \hspace*{-1.5cm}%
7  \raisebox{-\height+0.7\baselineskip}{%
8    \begin{minipage}[t]{.6\textwidth}%\vspace{0pt}%
9      \includegraphics*[width=\linewidth]{logo-gut.pdf}
10     \end{minipage}%
11   }%
12  \hfill%

```

```

13 \begin{minipage}[t]{.5\textwidth}%\vspace{0pt}%
14 \footnotesize\raggedleft%
15 Association \gut{}\
16 15 rue des Halles -- \textsc{bp} 74\
17 75001 Paris\
18 France\
19 \url{secretariat[at]gutenberg[dot]eu[dot]org}
20 \end{minipage}%
21
22 \begin{description}
23 \item[Site Internet :] \url{https://www.gutenberg-asso.fr/}
24 \item[\Cahiers{} :] \url{http://www.numdam.org/journals/CG/}
25 \item[Problèmes techniques :]
26 \leavevmode
27 \begin{description}
28 \item[la liste \texttt{gut} :]
29 \url{https://www.gutenberg-asso.fr/-Listes-de-diffusion-}
30 \item[le site \hologo{TeX}nique de questions et réponses :]
31 \url{https://texnique.fr/}
32 \item[la foire aux questions :]
33 \url{https://faq.gutenberg-asso.fr/}
34 \end{description}
35 \end{description}
36 %
37 \alertbox{%
38 Cette association est la vôtre : faites-nous part de
39 vos idées, de vos envies, de vos préoccupations
40 à l'adresse \url{secretariat[at]gutenberg[dot]eu[dot]org}.%
41 }
42
43 % \section[Association GUTenberg (tout sur l')]{
44 % {Adhésion à l'association}
45 \title{Adhésion à l'association}
46 \label{letgut_label_adhesions}
47
48 \begin{itemize}
49 \item % Adhésions et abonnements
50 Les adhésions sont à renouveler en début d'année
51 pour l'année civile.
52 % \item Il n'y a pas de lettre de rappel, chaque membre
53 % doit faire son renouvellement annuel; %\hspace*{1em}
54 % merci de renvoyer spontanément le bulletin ci-dessous
55 % en début d'année.
56 \item Les administrations peuvent joindre un bon de commande
57 revêtu de la signature de la personne responsable ;
58 les étudiants doivent joindre un justificatif.
59 % \item Si vous souhaitez que vos coordonnées restent
60 % confidentielles, merci de le signaler.
61 \end{itemize}
62
63 \vspace*{-0.7cm}
64 \section{Tarifs \the\year}

```

```

65
66 Les membres de \gut\ peuvent adhérer à l'association
67 internationale, le \acf{tug}, et recevoir son bulletin
68 \tugboat{} à un tarif préférentiel :
69 \begin{description}
70 \item[tarif normal :] 65~€ (au lieu de 85~\)$)
71 \item[tarif étudiant :] 40~€ (au lieu de 55~\)$)
72 \end{description}
73 % (49~€50}, étudiants et demandeurs d'emploi :
74 % 29~€, au lieu de 85\)$ et % 65\)$). Voir
75 % \url{%
76 % https://www.gutenberg-asso.fr/?Adherer-en-ligne%
77 % }.
78
79 \footnotesize
80 \begin{center}
81 \begin{tabular}{lr}
82 \toprule
83 \textbf{Type d'adhésion} & \textbf{Prix} \\
84 \midrule
85 Membre individuel & 30~€ \\
86 Membre individuel + adhésion \acs{tug} & 95~€ \\
87 Membre individuel étudiant/demandeur d'emploi & 15~€ \\
88 Membre individuel étudiant + adhésion \acs{tug} & 55~€ \\
89 Association d'étudiants & 65~€ \\
90 Organisme à but non lucratif & 130~€ \\
91 Organisme à but lucratif & 229~€ \\
92 \bottomrule
93 \end{tabular}
94 \end{center}
95
96 \section{Règlements}
97
98 Les règlements peuvent s'effectuer par :
99 \begin{itemize}
100 \item \textbf{virement bancaire}%
101 \footnote{Nous vous remercions de \textbf{privilégier}
102 le \textbf{virement bancaire}.\label{fn:1}} (\textsc{iban} :
103 FR76 1870 7000 3003 0191 3568 475)%
104 \leavevmode
105
106 \alertbox{%
107 Veuillez 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 Research and Contributor \textsc{id}}%
26 [identifiant ouvert pour chercheur et contributeur]
27
28 \letgutacro[extra-foreign=souvent librement traduit en \enquote{foire
29   %aux questions}]
30 {FAQ}%
31 {Frequently Asked Questions}%
32 [questions fréquemment posées]
33
34 \letgutacro%
35 {SVG}%
36 {Scalable Vector Graphics}%
37 [graphiques vectoriels extensibles]
38
39 \letgutacro%
40 {DNS}%
41 {Domain Name System}%
42 [système de noms de domaine]
43
44 \letgutacro%
45 {VPS}%
46 {Virtual Private Server}%
47 [serveur dédié virtuel]
48
49 \letgutacro%
50 {LDAP}%
51 {Lightweight Directory Access Protocol}%
52 [protocole d'accès à répertoire léger, système garantissant
53   l'authentification d'utilisateurs de plusieurs services dispersés]
54
55 \letgutacro%
56 {OTF}%
57 {Open Type Format}%
58 []
59
60 \letgutacro%
61 {DOI}%
62 {Digital Object Identifier}%
63 [identifiant numérique d'objet]
64
```

```
65 \letgutacro%
66 {ISSN}%
67 {International Standard Serial Number}%
68 [numéro international normalisé des publications en série]
69
70 \letgutacro%
71 {TUG}%
72 {\hologo{TeX} User Group}%
73 [groupe (international) d'utilisateurs de \hologo{TeX}]
74
75 \letgutacro%
76 {WCAG}%
77 {Web Content Accessibility Guidelines}%
78 [directives sur l'accessibilité du contenu Web]
79
80 \letgutacro%
81 {HTML}%
82 {HyperText Markup Language}%
83 [langage de balises pour l'hypertexte]
84
85 \letgutacro%
86 {CSS}%
87 {Cascading Style Sheets}%
88 [feuilles de style en cascade]
89
90 \letgutacro%
91 {UTF}%
92 {Universal (Character Set) Transformation Format}%
93 [format de transformation (du jeu) universel (de caractères codés)]
94
95 \letgutacro[short=\emph{Ti\emph{k}Z},short-format=\em,foreign-babel=
    german,foreign-locale=allemand]
96 {TIKZ}%
97 {Ti\emph{k}Z ist \emph{kein} Zeichenprogramm}%
98 [Ti\emph{k}Z \emph{n'}est \emph{pas} un programme de dessin]
99
100 \letgutacro%
101 {PGF}%
102 {Portable Graphics Format}%
103 [format de graphiques portable]
104
105 \letgutacro%
106 {GPL}%
107 {\textsc{gnu} General Public License}%
108 [licence publique générale \textsc{gnu}]
109
110 \letgutacro%
111 {OFL}%
112 {SIL Open Font License}%
113 []
114
115 \letgutacro%
```

```
116 {DVI}%
117 {DeVice-Independent}%
118 [indépendant du type de périphérique]
119
120 \letgutacro%
121 {PS}%
122 {PostScript}%
123 []
124
125 \letgutacro%
126 {DVIPS}%
127 {\acs{dvi}-to-\acs{ps} (translator)}%
128 [(convertisseur) \acs{dvi} vers \acs{ps}]
129
130 \letgutacro%
131 {IPA}%
132 {International Phonetic Alphabet}%
133 [alphabet phonétique international]
134
135 \letgutacro%
136 {TIPA}%
137 {\hologo{TeX} \acs{ipa} or Tokyo \acs{ipa}}%
138 [alphabet phonétique international]
139
140 \letgutacro%
141 {XML}%
142 {eXtensible Markup Language}%
143 [langage de balisage extensible]
144
145 \letgutacro%
146 {APA}%
147 {American Psychological Association}%
148 [association américaine de psychologie]
149
150 \letgutacro%
151 {OS}%
152 {Operating System}%
153 [système d'exploitation]
154
155 \letgutacro%
156 {BSD}%
157 {Berkeley Software Distribution}%
158 [collection de logiciels de Berkeley]
159
160 \letgutacro%
161 {IMAP}%
162 {Internet Message Access Protocol}%
163 []
164
165 \letgutacro%
166 {SMTP}%
167 {Simple Mail Transfer Protocol}%
```

```
168 [protocole simple de transfert de courrier]
169
170 \letgutacro%
171 {RTF}%
172 {Rich Text Format}%
173 [format de texte enrichi]
174
175 \letgutacro%
176 {WYSIWYG}%
177 {What You See Is What You Get}%
178 [ce que vous voyez est ce que vous obtenez]
179
180 \letgutacro%
181 {ISO}%
182 {\href{https://www.iso.org/home.html}{International Organization for
183   Standardization}}%
184 [\href{https://www.iso.org/fr/home.html}{organisation internationale de
185   normalisation}]
186
187 \letgutacro%
188 {OFF}%
189 {Open Font Format}%
190 [format de fonte ouvert]
191
192 \letgutacro%
193 {CSV}%
194 {Comma-separated values}%
195 [valeurs séparées par des virgules]
196
197 \letgutacro%
198 {YAML}%
199 {\textsc{yaml} 'Aint 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 {\text{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@definlanguage[Scrabble]{TeX}{%
36 % Control sequences names
37 moretexcs={%
38     PlateauScrabble,ScrabblePlaceMot,%
39     ScrabbleBoard,ScrabblePutWord,%
40 },%
41 % Keywords of class 1 : keywords that contain other characters
42 % (since of the same class as the ones specified as 'otherkeywords')
43 morekeywords={%
44 },%
45 % Keywords of class 2 : environments names
46 morekeywords=[2]{%
47     EnvScrabble,%
48 },%
49 % Keywords of class 3 : mandatory arguments (not environments) &
50 % optional arguments which are keys (in key=value)
51 morekeywords=[3]{%
52     FR,EN,DE,ES,GR,SP,%
53     Echelle,Echellelabels,Cadre,Labels,Aide,%
54     Scale,ScaleLabels,Border,Help,%
55 },%
56 % Keywords of class 4 : values of keys (in key=value)
57 morekeywords=[4]{%
58 },%
59 % Keywords of class 5 : arguments specifications (after ":" in expl3
60 % syntax)
61 morekeywords=[5]{%
62 },%
63 % Keywords of class 6 : current package name (and possibly derived
64 % packages)
65 morekeywords=[6]{%
66     Scrabble%
67 },%
68 % otherkeywords={},
69 % alsoletter={},
70 % alsodigit={},%
71 % alsoother={},%
72 sensitive,%
73 }[keywords,tex,comments]
74
75 \lst@definlanguage[FiraSans]{TeX}{%
76 % Control sequences names
77 moretexcs={%
78     sufigures,firaoldstyle,firalinig,firatabular,firaproportional,
79     firathin,firalight,firaextralight,firaultralight,firamedium,firabook
80     ,
81     firasemibold,firaextrabold,firaheavy,%
82 }%

```

```

82 % Keywords of class 1 : keywords that contain other characters
83 % (since of the same class as the ones specified as 'otherkeywords')
84 morekeywords={%
85 },%
86 % Keywords of class 2 : environments names
87 morekeywords=[2]{%
88 },%
89 % Keywords of class 3 : mandatory arguments (not environments) &
90 % optional arguments which are keys (in key=value)
91 morekeywords=[3]{%
92     sfdefault,scaled,scale,type1,lining,lf,oldstyle,osf,tabular,t,
93     proportional,%
94     p,book,medium,mb,semibold,sb,light,l,extralight,ultralight,thin,%
95     extrabold,heavy,default,%
96 },%
97 % Keywords of class 4 : values of keys (in key=value)
98 morekeywords=[4]{%
99 },%
100 % Keywords of class 5 : arguments specifications (after ":" in expl3
101 % syntax)
102 morekeywords=[5]{%
103 },%
104 % Keywords of class 6 : current package name (and possibly derived
105 % packages)
106 morekeywords=[6]{%
107     FiraSans%
108 },%
109 % otherkeywords={},
110 alsoletter={1},
111 % alsodigit={},%
112 % alsoother={},%
113 sensitive,%
114 }[keywords,tex,comments]
115 \lst@definlanguage[luagcd]{TeX}{%
116 % Control sequences names
117 moretexcs={%
118     luagcdwithsteps,%
119 },%
120 % Keywords of class 1 : keywords that contain other characters
121 % (since of the same class as the ones specified as 'otherkeywords')
122 morekeywords={%
123 },%
124 % Keywords of class 2 : environments names
125 morekeywords=[2]{%
126 },%
127 % Keywords of class 3 : mandatory arguments (not environments) &
128 % optional arguments which are keys (in key=value)
129 morekeywords=[3]{%
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     luagcd%
142     },%
143     % otherkeywords={},
144     % alsoletter={},
145     % alsodigit={},%
146     % alsoother={},%
147     sensitive,%
148     }[keywords, tex, comments]
149
150 \lst@definlanguage[maze]{TeX}{%
151     % Control sequences names
152     moretexcs={%
153     maze,%
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     maze%
177     },%
178     % otherkeywords={},
179     % alsoletter={},
180     % alsodigit={},%
181     % alsoother={},%
182     sensitive,%
183     }[keywords, tex, comments]
184

```

```

185 \lst@definlanguage[animate]{TeX}{%
186   % Control sequences names
187   moretexcs={%
188     multiframe,%
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     animateinline,%
197   },%
198   % Keywords of class 3 : mandatory arguments (not environments) &
199   % optional arguments which are keys (in key=value)
200   morekeywords=[3]{%
201     poster,controls,palindrome,bb,rx,%
202   },%
203   % Keywords of class 4 : values of keys (in key=value)
204   morekeywords=[4]{%
205     first,%
206   },%
207   % Keywords of class 5 : arguments specifications (after ":" in expl3
208   % syntax)
209   morekeywords=[5]{%
210   },%
211   % Keywords of class 6 : current package name (and possibly derived
212   % packages)
213   morekeywords=[6]{%
214     animate%
215   },%
216   % otherkeywords={},
217   % alsoletter={},
218   % alsodigit={},%
219   % alsoother={},%
220   sensitive,%
221 }[keywords,tex,comments]
222
223 \lst@definlanguage[tikz-mirror-lens]{TeX}{%
224   % Control sequences names
225   moretexcs={%
226     lensSphGaussFixed,%
227   },%
228   % Keywords of class 1 : keywords that contain other characters
229   % (since of the same class as the ones specified as 'otherkeywords')
230   morekeywords={%
231   },%
232   % Keywords of class 2 : environments names
233   morekeywords=[2]{%
234   },%
235   % Keywords of class 3 : mandatory arguments (not environments) &
236   % optional arguments which are keys (in key=value)

```

```

237     morekeywords=[3]{%
238     },%
239     % Keywords of class 4 : values of keys (in key=value)
240     morekeywords=[4]{%
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         tikz-mirror-lens%
250     },%
251     % otherkeywords={},
252     alsoletter={-},
253     % alsodigit={},%
254     % alsoother={},%
255     sensitive,%
256 }[keywords, tex, comments]
257
258 \lst@definlanguage[jeuxcartes]{TeX}{%
259     % Control sequences names
260     moretexcs={%
261         MainCartesJeu,%
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         Eventail, 10C, 10K, AC, AT, AP,%
274     },%
275     % Keywords of class 4 : values of keys (in key=value)
276     morekeywords=[4]{%
277     },%
278     % Keywords of class 5 : arguments specifications (after ":" in expl3
279     % syntax)
280     morekeywords=[5]{%
281     },%
282     % Keywords of class 6 : current package name (and possibly derived
283     % packages)
284     morekeywords=[6]{%
285         jeuxcartes%
286     },%
287     % otherkeywords={},
288     alsoletter={0123456789},

```

```

289      % alsodigit={},%
290      % alsoother={},%
291      sensitive,%
292    }[keywords,tex,comments]
293
294    \lst@definlanguage[plex-otf]{TeX}{%
295      % Control sequences names
296      moretexcs={%
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        RM
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        plex-otf%
321      },%
322      % otherkeywords={},
323      % alsoletter={},
324      % alsodigit={},%
325      % alsoother={},%
326      sensitive,%
327    }[keywords,tex,comments]
328
329    \lst@definlanguage[mathtools]{TeX}{%
330      % Control sequences names
331      moretexcs={%
332        mathclap,DeclarePairedDelimiter,%
333      },%
334      % Keywords of class 1 : keywords that contain other characters
335      % (since of the same class as the ones specified as 'otherkeywords')
336      morekeywords={%
337        },%
338      % Keywords of class 2 : environments names
339      morekeywords=[2]{%
340        },%

```

```

341 % Keywords of class 3 : mandatory arguments (not environments) &
342 % optional arguments which are keys (in key=value)
343 morekeywords=[3]{%
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 %
356 },%
357 % otherkeywords={},
358 % alsoletter={},
359 % alsodigit={},%
360 % alsoother={},%
361 sensitive,%
362 }[keywords, tex, comments]
363
364 \lst@definlanguage[tikz-ext]{TeX}{%
365 % Control sequences names
366 moretexcs={%
367 },%
368 % Keywords of class 1 : keywords that contain other characters
369 % (since of the same class as the ones specified as 'otherkeywords')
370 morekeywords={%
371 },%
372 % Keywords of class 2 : environments names
373 morekeywords=[2]{%
374 },%
375 % Keywords of class 3 : mandatory arguments (not environments) &
376 % optional arguments which are keys (in key=value)
377 morekeywords=[3]{%
378 distancebetween,%
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 tikz-ext%
391 },%
392 % otherkeywords={},

```

```

393     % alsoletter={},
394     % alsodigit={},%
395     % alsoother={},%
396     sensitive,%
397 }[keywords, tex, comments]
398
399 \lst@definlanguage[tikzfill]{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         pattern, hexagon, cycle, color,
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         tikzfill
426     },%
427     % otherkeywords={},
428     % alsoletter={},
429     % alsodigit={},%
430     % alsoother={},%
431     sensitive,%
432 }[keywords, tex, comments]
433
434 \lst@definlanguage[unicodemath]{TeX}{%
435     % Control sequences names
436     moretexcs={%
437         symscr, symbb, symfrac, symsfup, symsfitt, symtt, setmathfont,%
438     },%
439     % Keywords of class 1 : keywords that contain other characters
440     % (since of the same class as the ones specified as 'otherkeywords')
441     morekeywords={%
442     },%
443     % Keywords of class 2 : environments names
444     morekeywords=[2]{%

```

```

445     },%
446     % Keywords of class 3 : mandatory arguments (not environments) &
447     % optional arguments which are keys (in key=value)
448     morekeywords={3}{%
449         range,mathrm,%
450     },%
451     % Keywords of class 4 : values of keys (in key=value)
452     morekeywords={4}{%
453         up,it,bb,bbit,scr,cal,bfcal,frak,tt,sfup ,sfit,bfup,bfit,bfscr,
454         bffrak,%
455         bbsfup,bbsfit,sym,%
456     },%
457     % Keywords of class 5 : arguments specifications (after ":" in expl3
458     % syntax)
459     morekeywords={5}{%
460     },%
461     % Keywords of class 6 : current package name (and possibly derived
462     % packages)
463     morekeywords={6}{%
464         unicode-math
465     },%
466     % otherkeywords={},
467     alsoletter={-},
468     % alsodigit={},%
469     % alsoother={},%
470     sensitive,%
471 }[keywords, tex, comments]
472
473 \lst@definlanguage[xcharter-otf]{TeX}{%
474     % Control sequences names
475     moretexcs={%
476         Bbbone,Bbbk,%
477     },%
478     % Keywords of class 1 : keywords that contain other characters
479     % (since of the same class as the ones specified as 'otherkeywords')
480     morekeywords={%
481     },%
482     % Keywords of class 2 : environments names
483     morekeywords={2}{%
484     },%
485     % Keywords of class 3 : mandatory arguments (not environments) &
486     % optional arguments which are keys (in key=value)
487     morekeywords={3}{%
488         range
489     },%
490     % Keywords of class 4 : values of keys (in key=value)
491     morekeywords={4}{%
492     },%
493     % Keywords of class 5 : arguments specifications (after ":" in expl3
494     % syntax)
495     morekeywords={5}{%
496     },%

```

```

496      % Keywords of class 6 : current package name (and possibly derived
497      % packages)
498      morekeywords=[6]{%
499      xcharter-otf
500      },%
501      % otherkeywords={},
502      alsoletter={-},
503      % alsodigit={},%
504      % alsoother={},%
505      sensitive,%
506  }[keywords,tex,comments]
507
508  \lst@definlanguage[braille]{TeX}{%
509  % Control sequences names
510  moretexcs={%
511  braille
512  },%
513  % Keywords of class 1 : keywords that contain other characters
514  % (since of the same class as the ones specified as 'otherkeywords')
515  morekeywords={%
516  },%
517  % Keywords of class 2 : environments names
518  morekeywords=[2]{%
519  },%
520  % Keywords of class 3 : mandatory arguments (not environments) &
521  % optional arguments which are keys (in key=value)
522  morekeywords=[3]{%
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  %
535  },%
536  % otherkeywords={},
537  % alsoletter={},
538  % alsodigit={},%
539  % alsoother={},%
540  sensitive,%
541  }[keywords,tex,comments]
542
543  \lst@definlanguage[swungdash]{TeX}{%
544  % Control sequences names
545  moretexcs={%
546  swungdash
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
579 \lst@definlanguage[simples-matrices]{TeX}{%
580 % Control sequences names
581 moretexcs={%
582 matrice
583 },%
584 % Keywords of class 1 : keywords that contain other characters
585 % (since of the same class as the ones specified as 'otherkeywords')
586 morekeywords={%
587 },%
588 % Keywords of class 2 : environments names
589 morekeywords=[2]{%
590 },%
591 % Keywords of class 3 : mandatory arguments (not environments) &
592 % optional arguments which are keys (in key=value)
593 morekeywords=[3]{%
594 b,%
595 },%
596 % Keywords of class 4 : values of keys (in key=value)
597 morekeywords=[4]{%
598 },%
599 % Keywords of class 5 : arguments specifications (after ":" in expl3

```

```

600      % syntax)
601      morekeywords=[5]{%
602      },%
603      % Keywords of class 6 : current package name (and possibly derived
604      % packages)
605      morekeywords=[6]{%
606      %
607      },%
608      % otherkeywords={},
609      % alsoletter={},
610      % alsodigit={},%
611      % alsoother={},%
612      sensitive,%
613    }[keywords,tex,comments]
614
615    \lst@definlanguage[customdice]{TeX}{%
616      % Control sequences names
617      moretexcs={%
618        dice
619      },%
620      % Keywords of class 1 : keywords that contain other characters
621      % (since of the same class as the ones specified as 'otherkeywords')
622      morekeywords={%
623      },%
624      % Keywords of class 2 : environments names
625      morekeywords=[2]{%
626      },%
627      % Keywords of class 3 : mandatory arguments (not environments) &
628      % optional arguments which are keys (in key=value)
629      morekeywords=[3]{%
630        violet,yellow
631      },%
632      % Keywords of class 4 : values of keys (in key=value)
633      morekeywords=[4]{%
634      },%
635      % Keywords of class 5 : arguments specifications (after ":" in expl3
636      % syntax)
637      morekeywords=[5]{%
638      },%
639      % Keywords of class 6 : current package name (and possibly derived
640      % packages)
641      morekeywords=[6]{%
642      %
643      },%
644      % otherkeywords={},
645      % alsoletter={},
646      % alsodigit={},%
647      % alsoother={},%
648      sensitive,%
649    }[keywords,tex,comments]
650
651    \lst@definlanguage[pingu]{TeX}{%

```

```

652 % Control sequences names
653 moretexcs={%
654     pingu
655 },%
656 % Keywords of class 1 : keywords that contain other characters
657 % (since of the same class as the ones specified as 'otherkeywords')
658 morekeywords={%
659 },%
660 % Keywords of class 2 : environments names
661 morekeywords=[2]{%
662 },%
663 % Keywords of class 3 : mandatory arguments (not environments) &
664 % optional arguments which are keys (in key=value)
665 morekeywords=[3]{%
666     left,wing,wave,right,grab,eyes,shiny,cup,%
667 },%
668 % Keywords of class 4 : values of keys (in key=value)
669 morekeywords=[4]{%
670 },%
671 % Keywords of class 5 : arguments specifications (after ":" in expl3
672 % syntax)
673 morekeywords=[5]{%
674 },%
675 % Keywords of class 6 : current package name (and possibly derived
676 % packages)
677 morekeywords=[6]{%
678     %
679 },%
680 % otherkeywords={},
681 % alsoletter={},
682 % alsodigit={},%
683 % alsoother={},%
684 sensitive,%
685 }[keywords,tex,comments]%
686
687 \lst@definlanguage[letgut]{TeX}{%
688 % Control sequences names
689 moretexcs={%
690     letgutsetup,title,subtitle,author,francophony,person,author,%
691     package,package*,class,class*,software,software*,file,file*,%
692     foreignloc,latinloc,gutenberg,gut,lettre,lettregut,Cahier,%
693     Cahiers,letgut,letgutcls,knuth,lamport,tugboat,item*,letgutacro,%
694     separator,alertbox,terminal,inputarticle,lettrenumber,solution,%
695     rebussolution,%
696 },%
697 % Keywords of class 1 : keywords that contain other characters (since
698 % of the same class as the ones specified as 'otherkeywords')
699 morekeywords={%
700 },%
701 % Keywords of class 2 : environments names
702 morekeywords=[2]{%
703     ctannews,ltx-code,ltx-code-result,ltx-code-external-result,%

```

```

704     bookreview,announcement,rebus,%
705 },%
706 % Keywords of class 3 : mandatory arguments (not environments) &
707 % optional arguments which are keys (in key=value)
708 morekeywords=[3]{%
709     for-authors,for-readers,draft,final,screen,paper,number,date,%
710     pagecolor,allcolorslinks,membership-reminder,editorial,informations
711     ,%
712     title,addon,result width,reference,text,title,reviewer,bibkey,%
713     frontcover,price,result,and,no,solution,%
714 },%
715 % Keywords of class 4 : values of keys (in key=value)
716 morekeywords=[4]{%
717 },%
718 % Keywords of class 5 : arguments specifications (after ":" in expl3
719 % syntax)
720 morekeywords=[5]{%
721 },%
722 % Keywords of class 6 : current package name (and possibly derived
723 % packages)
724 morekeywords=[6]{%
725     letgut%
726 },%
727 % otherkeywords={},%
728 alsoletter={-\ },%
729 % alsodigit={},%
730 alsoother={},%
731 % alsoother={},%
732 sensitive,%
733 }[keywords, tex, comments]%
734
735 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
736 % LaTeX texcs and keywords that are missing in 'listings' driver file
737 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
738 \lstdefinelanguage[extendedLaTeX]{TeX}{%
739     % Control sequences names
740     moretexcs={%
741         Huge,LARGE,Large,LoadClass,NewCommandCopy,RequirePackage,%
742         ShowCommand,abovcaptionskip,abstractname,appendix,appendixname,%
743         arraycolsep,arrayrulewidth,author,backmatter,baselinestretch,%
744         belowcaptionskip,bf,bibindent,bibname,bigskipamount,bottomfraction,
745         %
746         brokenpenalty,cal,chapter,chaptermark,chaptername,clubpenalty,%
747         columnsep,columnseprule,contentsname,date,dblfloatpagefraction,%
748         dblfloatsep,dbltextfloatsep,dbltopfraction,descriptionlabel,%
749         displaywidowpenalty,doublerulesep,evensidemargin,fboxrule,fboxsep,%
750         figurename,floatpagefraction,floatsep,footins,footnoterule,%
751         footnotesep,footnotesize,footskip,frontmatter,headheight,headsep,%
752         huge,indexname,indexspace,interlinepenalty,intextsep,it,jot,%
753         labelenumi,labelenumii,labelenumiii,labelenumiv,labelitemfont,%
754         labelitemi,labelitemii,labelitemiii,labelitemiv,labelsep,%
755         labelwidth,large,leftmargin,leftmargini,leftmarginii,leftmarginiii,

```

```

%
754     leftmarginiv, leftmarginv, leftmarginvi, lineskip, listfigurename, %
755     listoffigures, listoftables, listtablename, mainmatter, maketitle, %
756     marginparpush, marginparsep, marginparwidth, maxdepth, medskipamount, %
757     mit, newblock, normallineskip, normalsize, oddsidemargin, paragraph, %
758     paragraphmark, parindent, parskip, part, partname, partopsep, %
759     postdisplaypenalty, predisplaypenalty, refname, rm, sc, scriptsize, %
760     section, sectionmark, setlength, sf, sl, small, smallskipamount, %
761     subitem, subparagraph, subparagraphmark, subsection, subsectionmark, %
762     subsubitem, subsubsection, subsubsectionmark, tabbingsep, tabcolsep, %
763     tablename, tableofcontents, textfloatsep, textfraction, textheight, %
764     textwidth, thechapter, theenumi, theenumii, theenumiii, theenumiv, %
765     theequation, theparagraph, thepart, thesection, thesubparagraph, %
766     thesubsection, thesubsubsection, tiny, title, today, topfraction, %
767     topmargin, topskip, tt, widowpenalty, %
768 }, %
769 % Keywords of class 1 : keywords that contain other characters (since
770 % of the same class as the ones specified as 'otherkeywords')
771 morekeywords={%
772 }, %
773 % Keywords of class 2 : environments names
774 morekeywords=[2]{%
775     abstract, array, center, description, displaymath, document, enumerate, %
776     eqnarray, equation, figure, flushleft, flushright, itemize, list, lrbox,
777     math, %
778     minipage, picture, quotation, quote, sloppypar, tabbing, table, tabular, %
779     thebibliography, theindex, titlepage, trivlist, verbatim, verse, %
780 }, %
781 % Keywords of class 3 : mandatory arguments (not environments) &
782 % optional arguments which are keys (in key=value)
783 morekeywords=[3]{%
784     % c, cc, ccc, cccc, X, l,
785     empty, %
786 }, %
787 % Keywords of class 4 : values of keys (in key=value)
788 morekeywords=[4]{%
789 }, %
790 % Keywords of class 5 : arguments specifications (after ":" in expl3
791 % syntax)
792 morekeywords=[5]{%
793 }, %
794 % Keywords of class 6 : current package name (and possibly derived
795 % packages)
796 morekeywords=[6]{%
797     %
798 },
799 otherkeywords={|}, %
800 % alsoletter={}, % alsodigit={}, %
801 % alsoother={}, %
802 sensitive, %
803 }[keywords, tex, comments]%

```

```

804 \lst@definlanguage[listings]{TeX}{%
805   % Control sequences names
806   moretexcs={%
807     lstDeleteShortInline,lstMakeShortInline,lstalias,lstaspectfiles,%
808     lstdefineformat,lstdefinlanguage,lst@definlanguage,lstdefinestyle
809     ,%
810     lstindexmacro,lstinline,lstinputlisting,lstlanguagefiles,%
811     lstlgrindefile,lstlistingname,lstlistingnamestyle,%
812     lstlistlistingname,lstlistoflistings,lstloadlanguages,lstname,%
813     lstnewenvironment,lstset,theHlstnumber,theHlstlabel,theHlstlisting,%
814     theHlstnumber,%
815     },%
816     % Keywords of class 1 : keywords that contain other characters (since
817     % of the same class as the ones specified as 'otherkeywords')
818     morekeywords={%
819       },%
820     % Keywords of class 2 : environments names
821     morekeywords=[2]{%
822       lstlisting,%
823     },%
824     % Keywords of class 3 : mandatory arguments (not environments) &
825     % optional arguments which are keys (in key=value)
826     morekeywords=[3]{%
827       0.21,ABAP,ACM,ACMscript,ACSL,Ada,Algol,Ant,Assembler,Awk,%
828       Basic,C,C++,CIL,Caml,Clean,Cobol,Comal 80,Comsol,Delphi,%
829       Eiffel,Elan,Euphoria,Fortran,GAP,GCL,Gnuplot,Go,HTML,Haskell,%
830       IDL,JVMIS,Java,LLVM,Lingo,Lisp,Logo,Lua,ML,Mathematica,Matlab,%
831       Mercury,MetaPost,Miranda,Mizar,Modula-2,MuPAD,NASTRAN,OCL,%
832       OORexx,Oberon-2,Octave,Oz,PHP,PL/I,POV,PSTricks,Pascal,Perl,%
833       Plasm,PostScript,Prolog,Promela,Python,R,RSL,Reduce,Rexx,Ruby,%
834       S,SAS,SHELXL,SPARQL,SQL,Scala,Scilab,Simula,Swift,TeX,%
835       VBScript,VHDL,VRML,Verilog,XML,XSLT,[03]Fortran,[08]Fortran,%
836       [1.0]Mathematica,[11.0]Mathematica,[11]C++,[1974]Cobol,[1985]Cobol,%
837       [2005]Ada,[3.0]Mathematica,[5.0]Lua,[5.1]Lua,[5.2]Lua,%
838       [5.2]Mathematica,[5.3]Lua,[60]Algol,[67]Simula,[68]Algol,%
839       [77]Fortran,[83]Ada,[90]Fortran,[95]Ada,[95]Fortran,[97]VRML,%
840       [AMS]VHDL,[ANSI]C,[ANSI]C++,[AllaTeX]TeX,[AspectJ]Java,[Auto]Lisp,%
841       [Borland6]Pascal,[CII]Simula,[CORBA]IDL,[DEC]Simula,[GNU]C++,%
842       [Handel]C,[IBM]Simula,[ISO]C++,[LaTeX]TeX,[Motorola68k]Assembler,%
843       [OMG]OCL,[Objective]C,[Objective]Caml,[PLUS]S,[POSIX]Awk,[R/2
844       4.3]ABAP,[R/2 5.0]ABAP,[R/3 3.1]ABAP,[R/3 4.6C]ABAP,[R/3 6.10]ABAP,%
845       [Sharp]C,[Standard]Pascal,[VM/XA]Rexx,[Visual]Basic,[Visual]C++,%
846       [WinXP]command.com,[XSC]Pascal,[common]TeX,[decorative]OCL,%
847       [empty]IDL,[empty]Java,[empty]Lisp,[empty]Rexx,[empty]S,%
848       [empty]VHDL,[empty]make,[empty]tcl,[gnu]Awk,[gnu]make,[ibm]Cobol,%
849       [light]Caml,[plain]TeX,[primitive]TeX,[tk]tcl,[x86masm]Assembler,%
850       abovecaptionskip,aboveskip,alsodigit,alsolanguage,alsoletter,%
851       alsoother,backgroundcolor,basewidth,bash,basicstyle,%
852       belowcaptionskip,belowskip,boxpos,breakatwhitespace,breakautoindent
853     },%

```

```

852     breakindent, breaklines, caption, captionpos, classoffset, columns, %
853     command.com, comment, comments, commentstyle, consecutivenumbers, csh, %
854     defaultdialect, deletecomment, deletedelim, deletedirectives, %
855     deleteemph, deleteendkeywords, deletehyperref, deleteindex, %
856     deletekeywordcomment, deletekeywords, deleteprocnamekeys, deletestring
857     , %
858     deletetxcs, delim, directives, directivestyle, draft, elisp, emph, %
859     emphstyle, emptylines, erlang, escapebegin, escapechar, escapeend, %
860     escapeinside, extendedchars, fancyvrb, fillcolor, final, firstline, %
861     firstnumber, flexiblecolumns, float, floatplacement, fontadjust, %
862     formats, formfeed, frame, frameround, framerule, framesep, frameshape, %
863     framexbottommargin, framexleftmargin, framexrightmargin, %
864     framextopmargin, fvcmdparams, gobble, hansl, hyper, hyperanchor, %
865     hyperlink, hyperref, identifierstyle, includerangemarker, index, %
866     indexprocnames, indexstyle, inform, inputencoding, inputpath, %
867     keepspaces, keywordcomment, keywordcommentsemicolon, keywords, %
868     keywordsprefix, keywordstyle, ksh, label, language, lastline, lgrind, %
869     lgrinddef, linerange, lineskip, linewidth, literate, make, makemacrouse, %
870     markfirstintag, mathescape, morecomment, moredelim, moredirectives, %
871     moreemph, moreendkeywords, morefvcmdparams, morehyperref, moreindex, %
872     morekeywordcomment, morekeywords, moreprocnamekeys, morestring, %
873     moretexcs, multicols, name, ndkeywords, ndkeywordstyle, noaspects, %
874     nolol, numberblanklines, numberbychapter, numberfirstline, numbers, %
875     numbersep, numberstyle, otherkeywords, podcomment, postbreak, prebreak, %
876     print, printpod, procnamekeys, procnames, procnamestyle, %
877     rangebeginprefix, rangebeginsuffix, rangeendprefix, rangeendsuffix, %
878     rulesepcolor, savemem, sensitive, %
879     sh, showlines, showspaces, showstringspaces, showtabs, stepnumber, %
880     string, stringstyle, style, tab, tabsize, tag, tagstyle, tcl, texcl, %
881     texcs, texcsstyle, title, upquote, usekeywordsintag, xleftmargin, %
882     xrightmargin, LaTeX, TeX, tex%
883 }, %
884 % Keywords of class 4 : values of keys (in key=value)
885 morekeywords=[4]{%
886     b, c, t, none, left, right, %
887 }, %
888 % Keywords of class 5 : arguments specifications (after ":" in expl3
889 % syntax)
890 morekeywords=[5]{%
891 }, %
892 % Keywords of class 6 : current package name (and possibly derived
893 % packages)
894 morekeywords=[6]{%
895     listings, %
896 }, %
897 % otherkeywords={}, %
898 alsoletter={@021.[ ]}, %
899 % alsodigit={}, %
900 % alsoother={}, %
901 sensitive, %
902 }[keywords, tex, comments]%

```



```

903
904 \lst@definlanguage[xcolor]{TeX}{%
905   % Control sequences names
906   moretexcs={%
907     color,pagecolor,definecolor,colorlet,textcolor,%
908   },%
909   % Keywords of class 1 : keywords that contain other characters (since
910   % of the same class as the ones specified as 'otherkeywords')
911   morekeywords={%
912   },%
913   % Keywords of class 2 : environments names
914   morekeywords=[2]{%
915   },%
916   % Keywords of class 3 : mandatory arguments (not environments) &
917   % optional arguments which are keys (in key=value)
918   morekeywords=[3]{%
919     red,green,blue,cyan,magenta,yellow,black,gray,white,darkgray,%
920     lightgray,brown,lime,olive,orange,pink,purple,teal,violet },%
921   % Keywords of class 4 : values of keys (in key=value)
922   morekeywords=[4]{%
923   },%
924   % Keywords of class 5 : arguments specifications (after ":" in expl3
925   % syntax)
926   morekeywords=[5]{%
927   },%
928   % Keywords of class 6 : current package name (and possibly derived
929   % packages)
930   morekeywords=[6]{%
931     xcolor },%
932   % otherkeywords={},
933   % alsoletter={},
934   % alsodigit={},%
935   % alsoother={},%
936   sensitive,%
937 }[keywords,tex,comments]%
938
939 \lst@definlanguage[expl3]{TeX}{%
940   % Control sequences names
941   moretexcs={%
942     .bool_gset,%
943     ExplFileDate,ExplFileDescription,ExplFileName,ExplFileVersion,%
944     ExplSyntaxOff,ExplSyntaxOn,GetIdInfo,ProvidesExplClass,%
945     ProvidesExplFile,ProvidesExplPackage,bool_case_false,bool_case_true
946     ,%
947     bool_const,bool_do_until,bool_do_while,bool_gset,bool_gset_eq,%
948     bool_gset_false,bool_gset_inverse,bool_gset_true,bool_if,%
949     bool_if_exist,bool_if_exist_p,bool_if_p,bool_lazy_all,%
950     bool_lazy_all_p,bool_lazy_and,bool_lazy_and_p,bool_lazy_any,%
951     bool_lazy_any_p,bool_lazy_or,bool_lazy_or_p,bool_log,bool_new,%
952     bool_not_p,bool_set,bool_set_eq,bool_set_false,bool_set_inverse,%
953     bool_set_true,bool_show,bool_to_str,bool_until_do,bool_while_do,%
     bool_xor,bool_xor_p,box_autosize_to_wd_and_ht,%

```



```

954     box_autosize_to_wd_and_ht_plus_dp, box_clear, box_clear_new, box_clip,
    %
955     box_dp, box_gautosize_to_wd_and_ht,
    box_gautosize_to_wd_and_ht_plus_dp, %
956     box_gclear, box_gclear_new, box_gclip, box_gresize_to_ht, %
957     box_gresize_to_ht_plus_dp, box_gresize_to_wd,
    box_gresize_to_wd_and_ht, %
958     box_gresize_to_wd_and_ht_plus_dp, box_grotate, box_gscale, box_gset_dp
    , %
959     box_gset_eq, box_gset_eq_drop, box_gset_ht, box_gset_to_last, %
960     box_gset_trim, box_gset_viewport, box_gset_wd, box_ht, box_ht_plus_dp, %
961     box_if_empty, box_if_empty_p, box_if_exist, box_if_exist_p, %
962     box_if_horizontal, box_if_horizontal_p, box_if_vertical, %
963     box_if_vertical_p, box_log, box_move_down, box_move_left, %
964     box_move_right, box_move_up, box_new, box_resize_to_ht, %
965     box_resize_to_ht_plus_dp, box_resize_to_wd, box_resize_to_wd_and_ht, %
966     box_resize_to_wd_and_ht_plus_dp, box_rotate, box_scale, box_set_dp, %
967     box_set_eq, box_set_eq_drop, box_set_ht, box_set_to_last, box_set_trim,
    %
968     box_set_viewport, box_set_wd, box_show, box_use, box_use_drop, box_wd, %
969     c_alignment_token, c_ampersand_str, c_atsign_str, c_backslash_str, %
970     c_catcode_active_space_tl, c_catcode_active_tl,
    c_catcode_letter_token, %
971     c_catcode_other_space_tl, c_catcode_other_token, c_circumflex_str, %
972     c_code_cctab, c_colon_str, c_document_cctab, c_dollar_str, c_e_fp, %
973     c_empty_box, c_empty_clist, c_empty_coffin, c_empty_prop, c_empty_seq, %
974     c_empty_tl, c_false_bool, c_group_begin_token, c_group_end_token, %
975     c_hash_str, c_inf_fp, c_initex_cctab, c_left_brace_str, c_log_iow, %
976     c_math_subscript_token, c_math_superscript_token, c_math_toggle_token
    , %
977     c_max_char_int, c_max_dim, c_max_int, c_max_muskip, c_max_register_int,
    %
978     c_max_skip, c_minus_inf_fp, c_minus_zero_fp, c_nan_fp, c_novalue_tl, %
979     c_one_degree_fp, c_one_fp, c_one_int, c_other_cctab, c_parameter_token,
    %
980     c_percent_str, c_pi_fp, c_right_brace_str, c_space_tl, c_space_token, %
981     c_str_cctab, c_sys_backend_str, c_sys_day_int, c_sys_engine_exec_str, %
982     c_sys_engine_format_str, c_sys_engine_str, c_sys_engine_version_str, %
983     c_sys_hour_int, c_sys_jobname_str, c_sys_minute_int, c_sys_month_int, %
984     c_sys_output_str, c_sys_platform_str, c_sys_shell_escape_int, %
985     c_sys_year_int, c_term_iow, c_tilde_str, c_true_bool, c_underscore_str,
    %
986     c_zero_dim, c_zero_fp, c_zero_int, c_zero_muskip, c_zero_skip, %
987     c_zero_str, cctab_begin, cctab_const, cctab_end, cctab_gset, %
988     cctab_if_exist, cctab_if_exist_p, cctab_item, cctab_new, cctab_select, %
989     char_foldcase, char_generate, char_gset_active_eq, char_lowercase, %
990     char_set_active_eq, char_set_catcode, char_set_catcode_active, %
991     char_set_catcode_alignment, char_set_catcode_comment, %
992     char_set_catcode_end_line, char_set_catcode_escape, %
993     char_set_catcode_group_begin, char_set_catcode_group_end, %
994     char_set_catcode_ignore, char_set_catcode_invalid, %
995     char_set_catcode_letter, char_set_catcode_math_subscript, %

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996 char_set_catcode_math_superscript, char_set_catcode_math_toggle, %
997 char_set_catcode_other, char_set_catcode_parameter, %
998 char_set_catcode_space, char_set_lccode, char_set_mathcode, %
999 char_set_sfcode, char_set_uccode, char_show_value_catcode, %
1000 char_show_value_lccode, char_show_value_mathcode, %
1001 char_show_value_sfcode, char_show_value_uccode, char_str_foldcase, %
1002 char_str_lowercase, char_str_titlecase, char_str_uppercase, %
1003 char_titlecase, char_to_nfd, char_to_utfviii_bytes, char_uppercase, %
1004 char_value_catcode, char_value_lccode, char_value_mathcode, %
1005 char_value_sfcode, char_value_uccode, clist_clear, clist_clear_new, %
1006 clist_concat, clist_const, clist_count, clist_gclear, clist_gclear_new,
%
1007 clist_gconcat, clist_get, clist_gpop, clist_gpush, clist_gput_left, %
1008 clist_gput_right, clist_gremove_all, clist_gremove_duplicates, %
1009 clist_greverse, clist_gset, clist_gset_eq, clist_gset_from_seq, %
1010 clist_gsort, clist_if_empty, clist_if_empty_p, clist_if_exist, %
1011 clist_if_exist_p, clist_if_in, clist_item, clist_log, clist_map_break, %
1012 clist_map_function, clist_map_inline, clist_map_tokens, %
1013 clist_map_variable, clist_new, clist_pop, clist_push, clist_put_left, %
1014 clist_put_right, clist_rand_item, clist_remove_all, %
1015 clist_remove_duplicates, clist_reverse, clist_set, clist_set_eq, %
1016 clist_set_from_seq, clist_show, clist_sort, clist_use, coffin_attach, %
1017 coffin_clear, coffin_display_handles, coffin_dp, coffin_gattach, %
1018 coffin_gclear, coffin_gjoin, coffin_gresize, coffin_grotate, %
1019 coffin_gscale, coffin_gset_eq, coffin_gset_horizontal_pole, %
1020 coffin_gset_vertical_pole, coffin_ht, coffin_if_exist, %
1021 coffin_if_exist_p, coffin_join, coffin_log, coffin_log_structure, %
1022 coffin_mark_handle, coffin_new, coffin_resize, coffin_rotate, %
1023 coffin_scale, coffin_set_eq, coffin_set_horizontal_pole, %
1024 coffin_set_vertical_pole, coffin_show, coffin_show_structure, %
1025 coffin_typeset, coffin_wd, color_ensure_current, color_export, %
1026 color_fill, color_group_begin, color_group_end, color_log, color_math, %
1027 color_model_new, color_profile_apply, color_select, color_set, %
1028 color_set_eq, color_show, color_stroke, cs_argument_spec, cs, cs_end, %
1029 cs_generate_from_arg_count, cs_generate_variant, cs_gset, cs_gset_eq, %
1030 cs_gset_nopar, cs_gset_protected, cs_gset_protected_nopar, cs_if_eq, %
1031 cs_if_eq_p, cs_if_exist, cs_if_exist_p, cs_if_exist_use, cs_if_free, %
1032 cs_if_free_p, cs_log, cs_meaning, cs_new, cs_new_eq, cs_new_nopar, %
1033 cs_new_protected, cs_new_protected_nopar, cs_prefix_spec, %
1034 cs_replacement_spec, cs_set, cs_set_eq, cs_set_nopar, cs_set_protected,
%
1035 cs_set_protected_nopar, cs_show, cs_split_function, cs_to_str, %
1036 cs_undefine, debug_off, debug_on, debug_resume, debug_suspend, dim_abs, %
1037 dim_add, dim_case, dim_compare, dim_compare_p, dim_const, dim_do_until, %
1038 dim_do_while, dim_eval, dim_gadd, dim_gset, dim_gset_eq, dim_gsub, %
1039 dim_gzero, dim_gzero_new, dim_if_exist, dim_if_exist_p, dim_log, %
1040 dim_max, dim_min, dim_new, dim_ratio, dim_set, dim_set_eq, dim_show, %
1041 dim_sign, dim_step_function, dim_step_inline, dim_step_variable, %
1042 dim_sub, dim_to_decimal, dim_to_decimal_in_bp, dim_to_decimal_in_sp, %
1043 dim_to_decimal_in_unit, dim_to_fp, dim_until_do, dim_use, dim_while_do,
%
1044 dim_zero, dim_zero_new, draw_begin, draw_end, else, exp_after, exp_args, %

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1045     exp_args_generate, exp_end, exp_end_continue_f, exp_last_two_unbraced,
%
1046     exp_last_unbraced, exp_not, exp_stop_f, expandafter, expanded, fi, %
1047     file_compare_timestamp, file_compare_timestamp_p, file_full_name, %
1048     file_get, file_get_full_name, file_get_hex_dump, file_get_md5five_hash,
%
1049     file_get_size, file_get_timestamp, file_hex_dump, file_if_exist, %
1050     file_if_exist_input, file_input, file_input_stop, file_log_list, %
1051     file_md5five_hash, file_parse_full_name, file_parse_full_name_apply, %
1052     file_show_list, file_size, file_timestamp, flag_clear, flag_clear_new, %
1053     flag_height, flag_if_exist, flag_if_exist_p, flag_if_raised, %
1054     flag_if_raised_p, flag_log, flag_new, flag_raise, flag_raise_if_clear, %
1055     flag_show, fp_abs, fp_add, fp_compare, fp_compare_p, fp_const, %
1056     fp_do_until, fp_do_while, fp_eval, fp_format, fp_gadd, fp_gset, %
1057     fp_gset_eq, fp_gsub, fp_gzero, fp_gzero_new, fp_if_exist, fp_if_exist_p,
%
1058     fp_if_nan, fp_if_nan_p, fp_log, fp_max, fp_min, fp_new, fp_set, %
1059     fp_set_eq, fp_show, fp_sign, fp_step_function, fp_step_inline, %
1060     fp_step_variable, fp_sub, fp_to_decimal, fp_to_dim, fp_to_int, %
1061     fp_to_scientific, fp_to_tl, fp_trap, fp_until_do, fp_use, fp_while_do, %
1062     fp_zero, fp_zero_new, fpararray_count, fpararray_gset, fpararray_gzero, %
1063     fpararray_item, fpararray_item_to_tl, fpararray_new, g_file_curr_dir_str, %
1064     g_file_curr_ext_str, g_file_curr_name_str, g_msg_module_name_prop, %
1065     g_msg_module_type_prop, g_peek_token, g_tmpa_bool, g_tmpa_box, %
1066     g_tmpa_clist, g_tmpa_coffin, g_tmpa_dim, g_tmpa_fp, g_tmpa_int, %
1067     g_tmpa_ior, g_tmpa_iow, g_tmpa_muskip, g_tmpa_prop, g_tmpa_regex, %
1068     g_tmpa_seq, g_tmpa_skip, g_tmpa_str, g_tmpa_tl, g_tmpb_bool, g_tmpb_box,
%
1069     g_tmpb_clist, g_tmpb_coffin, g_tmpb_dim, g_tmpb_fp, g_tmpb_int, %
1070     g_tmpb_ior, g_tmpb_iow, g_tmpb_muskip, g_tmpb_prop, g_tmpb_regex, %
1071     g_tmpb_seq, g_tmpb_skip, g_tmpb_str, g_tmpb_tl, group_align_safe_begin,
%
1072     group_align_safe_end, group_begin, group_end, group_insert_after, %
1073     group_log_list, group_show_list, hbox, hbox_gset, hbox_gset_end, %
1074     hbox_gset_to_wd, hbox_overlap_center, hbox_overlap_left, %
1075     hbox_overlap_right, hbox_set, hbox_set_end, hbox_set_to_wd, hbox_to_wd,
%
1076     hbox_to_zero, hbox_unpack, hbox_unpack_drop, hcoffin_gset, %
1077     hcoffin_gset_end, hcoffin_set, hcoffin_set_end, if, if_bool, %
1078     if_box_empty, if_case, if_catcode, if_charcode, if_cs_exist, if_dim, %
1079     if_eof, if_false, if_hbox, if_int_compare, if_int_odd, if_meaning, %
1080     if_mode_horizontal, if_mode_inner, if_mode_math, if_mode_vertical, %
1081     if_predicate, if_true, if_vbox, int_abs, int_add, int_case, int_compare, %
1082     int_compare_p, int_const, int_decr, int_div_round, int_div_truncate, %
1083     int_do_until, int_do_while, int_eval, int_from_alph, int_from_base, %
1084     int_from_bin, int_from_hex, int_from_oct, int_from_roman, int_gadd, %
1085     int_gdecr, int_gincr, int_gset, int_gset_eq, int_gsub, int_gzero, %
1086     int_gzero_new, int_if_even, int_if_even_p, int_if_exist, int_if_exist_p,
%,
1087     int_if_odd, int_if_odd_p, int_incr, int_log, int_max, int_min, int_mod, %
1088     int_new, int_rand, int_set, int_set_eq, int_show, int_sign, %
1089     int_step..., int_step_function, int_step_inline, int_step_variable, %

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1090     int_sub,int_to_Alph,int_to_Base,int_to_Hex,int_to_Roman,%
1091     int_to_alph,int_to_arabic,int_to_base,int_to_bin,int_to_hex,%
1092     int_to_oct,int_to_roman,int_to_symbols,int_until_do,int_use,%
1093     int_value,int_while_do,int_zero,int_zero_new,%
1094     intarray_const_from_clist,intarray_count,intarray_gset,%
1095     intarray_gset_rand,intarray_gzero,intarray_item,intarray_log,%
1096     intarray_new,intarray_rand_item,intarray_show,intarray_to_clist,%
1097     ior_close,ior_get,ior_get_term,ior_if_eof,ior_if_eof_p,ior_log,%
1098     ior_log_list,ior_map_break,ior_map_inline,ior_map_variable,ior_new,
%
1099     ior_open,ior_shell_open,ior_show,ior_show_list,ior_str_get,%
1100     ior_str_get_term,ior_str_map_inline,ior_str_map_variable,%
1101     iow_allow_break,iow_char,iow_close,iow_indent,iow_log,iow_log_list,
%
1102     iow_new,iow_newline,iow_now,iow_open,iow_shipout,iow_shipout_x,%
1103     iow_show,iow_show_list,iow_term,iow_wrap,keys_define,%
1104     keys_if_choice_exist,keys_if_choice_exist_p,keys_if_exist,%
1105     keys_if_exist_p,keys_log,keys_set,keys_set_filter,keys_set_groups,%
1106     keys_set_known,keys_show,keyval_parse,l_char_active_seq,%
1107     l_char_special_seq,l_color_fixed_model_tl,l_color_math_active_tl,%
1108     l_file_search_path_seq,l_iow_line_count_int,l_keys_choice_int,%
1109     l_keys_choice_tl,l_keys_key_str,l_keys_path_str,%
1110     l_keys_usage_load_prop,l_keys_usage_preamble_prop,l_keys_value_tl,%
1111     l_my_int,l_peek_token,l_text_accents_tl,l_text_case_exclude_arg_tl,
%
1112     l_text_expand_exclude_tl,l_text_letterlike_tl,l_text_math_arg_tl,%
1113     l_text_math_delims_tl,l_text_titlecase_check_letter_bool,
l_tmpa_bool,%
1114     l_tmpa_box,l_tmpa_clist,l_tmpa_coffin,l_tmpa_dim,l_tmpa_fp,%
1115     l_tmpa_int,l_tmpa_muskip,l_tmpa_prop,l_tmpa_regex,l_tmpa_seq,%
1116     l_tmpa_skip,l_tmpa_str,l_tmpa_tl,l_tmpb_bool,l_tmpb_box,%
1117     l_tmpb_clist,l_tmpb_coffin,l_tmpb_dim,l_tmpb_fp,l_tmpb_int,%
1118     l_tmpb_muskip,l_tmpb_prop,l_tmpb_regex,l_tmpb_seq,l_tmpb_skip,%
1119     l_tmpb_str,l_tmpb_tl,legacy_if,legacy_if_gset,legacy_if_gset_false,
%
1120     legacy_if_gset_true,legacy_if_p,legacy_if_set,legacy_if_set_false,%
1121     legacy_if_set_true,lua_escape,lua_now,lua_shipout,lua_shipout_e,%
1122     mode_if_horizontal,mode_if_horizontal_p,mode_if_inner,%
1123     mode_if_inner_p,mode_if_math,mode_if_math_p,mode_if_vertical,%
1124     mode_if_vertical_p,mode_leave_vertical,msg_critical,%
1125     msg_critical_text,msg_error,msg_error_text,msg_expandable_error,%
1126     msg_fatal,msg_fatal_text,msg_gset,msg_if_exist,msg_if_exist_p,%
1127     msg_info,msg_info_text,msg_line_context,msg_line_number,msg_log,%
1128     msg_log_eval,msg_module_name,msg_module_type,msg_new,msg_none,%
1129     msg_note,msg_redirect_class,msg_redirect_module,msg_redirect_name,%
1130     msg_see_documentation_text,msg_set,msg_show,msg_show_eval,%
1131     msg_show_item,msg_show_item_unbraced,msg_term,msg_warning,%
1132     msg_warning_text,muskip_add,muskip_const,muskip_eval,muskip_gadd,%
1133     muskip_gset,muskip_gset_eq,muskip_gsub,muskip_gzero,%
1134     muskip_gzero_new,muskip_if_exist,muskip_if_exist_p,muskip_log,%
1135     muskip_new,muskip_set,muskip_set_eq,muskip_show,muskip_sub,%
1136     muskip_use,muskip_zero,muskip_zero_new,pdf_destination,%

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1137 pdf_object_if_exist, pdf_object_if_exist_p, pdf_object_new, %
1138 pdf_object_ref, pdf_object_ref_last, pdf_object_unnamed_write, %
1139 pdf_object_write, pdf_pageobject_ref, pdf_pagobject_ref,
pdf_uncompress, %
1140 pdf_version, pdf_version_compare, pdf_version_compare_p, %
1141 pdf_version_gset, pdf_version_major, pdf_version_min_gset, %
1142 pdf_version_minor, peek_N_type, peek_after, peek_analysis_map_break, %
1143 peek_analysis_map_inline, peek_catcode, peek_catcode_collect_inline, %
1144 peek_catcode_remove, peek_charcode, peek_charcode_collect_inline, %
1145 peek_charcode_remove, peek_gafter, peek_meaning, %
1146 peek_meaning_collect_inline, peek_meaning_remove, peek_regex, %
1147 peek_regex_remove_once, peek_regex_replace_once, peek_remove_filler, %
1148 peek_remove_spaces, prg_break, prg_break_point, prg_do_nothing, %
1149 prg_generate_conditional_variant, prg_map_break, prg_new_conditional,
%
1150 prg_new_eq_conditional, prg_new_protected_conditional, prg_replicate,
%
1151 prg_return_false, prg_return_true, prg_set_conditional, %
1152 prg_set_eq_conditional, prg_set_protected_conditional, prop_clear, %
1153 prop_clear_new, prop_concat, prop_const_from_keyval, prop_count, %
1154 prop_gclear, prop_gclear_new, prop_gconcat, prop_get, prop_gpop, %
1155 prop_gput, prop_gput_from_keyval, prop_gput_if_new, prop_gremove, %
1156 prop_gset_eq, prop_gset_from_keyval, prop_if_empty, prop_if_empty_p, %
1157 prop_if_exist, prop_if_exist_p, prop_if_in, prop_if_in_p, prop_item, %
1158 prop_log, prop_map_break, prop_map_function, prop_map_inline, %
1159 prop_map_tokens, prop_new, prop_pop, prop_put, prop_put_from_keyval, %
1160 prop_put_if_new, prop_rand_key_value, prop_remove, prop_set_eq, %
1161 prop_set_from_keyval, prop_show, prop_to_keyval, q_mark, q_nil, %
1162 q_no_value, q_recursion_stop, q_recursion_tail, q_stop, quark_if_nil, %
1163 quark_if_nil_p, quark_if_no_value, quark_if_no_value_p, %
1164 quark_if_recursion_tail_break, quark_if_recursion_tail_stop, %
1165 quark_if_recursion_tail_stop_do, quark_new, regex_const, regex_count, %
1166 regex_extract_all, regex_extract_once, regex_gset, regex_log, %
1167 regex_match, regex_match_case, regex_new, regex_replace, %
1168 regex_replace_all, regex_replace_case_all, regex_replace_case_once, %
1169 regex_replace_once, regex_set, regex_show, regex_split, reverse_if, %
1170 s_stop, scan_new, scan_stop, seq_clear, seq_clear_new, seq_concat, %
1171 seq_const_from_clist, seq_count, seq_gclear, seq_gclear_new, %
1172 seq_gconcat, seq_get, seq_get_left, seq_get_right, seq_gpop, %
1173 seq_gpop_item, seq_gpop_left, seq_gpop_right, seq_gpush, seq_gput_left,
%
1174 seq_gput_right, seq_gremove_all, seq_gremove_duplicates, seq_greverse,
%
1175 seq_gset_eq, seq_gset_filter, seq_gset_from_clist, %
1176 seq_gset_from_function, seq_gset_from_inline_x, seq_gset_item, %
1177 seq_gset_map, seq_gset_map_x, seq_gset_split, %
1178 seq_gset_split_keep_spaces, seq_gshuffle, seq_gsort, seq_if_empty, %
1179 seq_if_empty_p, seq_if_exist, seq_if_exist_p, seq_if_in, seq_item, %
1180 seq_log, seq_map_break, seq_map_function, seq_map_indexed_function, %
1181 seq_map_indexed_inline, seq_map_inline, seq_map_tokens, %
1182 seq_map_variable, seq_mapthread_function, seq_new, seq_pop, %
1183 seq_pop_item, seq_pop_left, seq_pop_right, seq_push, seq_put_left, %

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1184     seq_put_right, seq_rand_item, seq_remove_all, seq_remove_duplicates, %
1185     seq_reverse, seq_set_eq, seq_set_filter, seq_set_from_clist, %
1186     seq_set_from_function, seq_set_from_inline_x, seq_set_item,
seq_set_map, %
1187     seq_set_map_x, seq_set_split, seq_set_split_keep_spaces, seq_show, %
1188     seq_shuffle, seq_sort, seq_use, skip_add, skip_const, skip_eval, %
1189     skip_gadd, skip_gset, skip_gset_eq, skip_gsub, skip_gzero, %
1190     skip_gzero_new, skip_horizontal, skip_if_eq, skip_if_eq_p, %
1191     skip_if_exist, skip_if_exist_p, skip_if_finite, skip_if_finite_p, %
1192     skip_log, skip_new, skip_set, skip_set_eq, skip_show, skip_sub, %
1193     skip_use, skip_vertical, skip_zero, skip_zero_new, sort_return_same, %
1194     sort_return_swapped, str_case, str_case_e, str_clear, str_clear_new, %
1195     str_compare, str_compare_p, str_concat, str_const, str_convert_pdfname,
%
1196     str_count, str_count_ignore_spaces, str_count_spaces, str_foldcase, %
1197     str_gclear, str_gconcat, str_gput_left, str_gput_right, str_gremove_all
%, %
1198     str_gremove_once, str_greplace_all, str_greplace_once, str_gset, %
1199     str_gset_convert, str_gset_eq, str_head, str_head_ignore_spaces, %
1200     str_if_empty, str_if_empty_p, str_if_eq, str_if_eq_p, str_if_exist, %
1201     str_if_exist_p, str_if_in, str_item, str_item_ignore_spaces, str_log, %
1202     str_lowercase, str_map_break, str_map_function, str_map_inline, %
1203     str_map_tokens, str_map_variable, str_new, str_put_left, str_put_right,
%
1204     str_range, str_range_ignore_spaces, str_remove_all, str_remove_once, %
1205     str_replace_all, str_replace_once, str_set, str_set_convert, str_set_eq
%, %
1206     str_show, str_tail, str_tail_ignore_spaces, str_uppercase, str_use, %
1207     sys_finalise, sys_get_shell, sys_gset_rand_seed, sys_if_engine luatex,
%
1208     sys_if_engine luatex_p, sys_if_engine pdftex, sys_if_engine pdftex_p,
%
1209     sys_if_engine ptex, sys_if_engine ptex_p, sys_if_engine uptex, %
1210     sys_if_engine uptex_p, sys_if_engine xetex, sys_if_engine xetex_p, %
1211     sys_if_output_dvi, sys_if_output_dvi_p, sys_if_output_pdf, %
1212     sys_if_output_pdf_p, sys_if_platform_unix, sys_if_platform_unix_p, %
1213     sys_if_platform_windows, sys_if_platform_windows_p, sys_if_rand_exist
%, %
1214     sys_if_rand_exist_p, sys_if_shell, sys_if_shell_p, %
1215     sys_if_shell_restricted, sys_if_shell_restricted_p, %
1216     sys_if_shell_unrestricted, sys_if_shell_unrestricted_p, %
1217     sys_load_backend, sys_load_debug, sys_rand_seed, sys_shell_now, %
1218     sys_shell_shipout, sys_timer, text_declare_expand_equivalent, %
1219     text_declare_purify_equivalent, text_expand, text_lowercase, %
1220     text_purify, text_titlecase, text_titlecase_first, text_uppercase, %
1221     tl_analysis_log, tl_analysis_map_inline, tl_analysis_show, %
1222     tl_build_begin, tl_build_clear, tl_build_end, tl_build_gbegin, %
1223     tl_build_gclear, tl_build_gend, tl_build_get, tl_build_gput_left, %
1224     tl_build_gput_right, tl_build_put_left, tl_build_put_right, tl_case, %
1225     tl_clear, tl_clear_new, tl_concat, tl_const, tl_count, tl_count_tokens, %
1226     tl_gclear, tl_gclear_new, tl_gconcat, tl_gput_left, tl_gput_right, %
1227     tl_gremove_all, tl_gremove_once, tl_greplace_all, tl_greplace_once, %

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1228     tl_greverse,tl_gset,tl_gset_eq,tl_gset_rescan,tl_gsort,%
1229     tl_gtrim_spaces,tl_head,tl_if_blank,tl_if_blank_p,tl_if_empty,%
1230     tl_if_empty_p,tl_if_eq,tl_if_eq_p,tl_if_exist,tl_if_exist_p,%
1231     tl_if_head_eq_catcode,tl_if_head_eq_catcode_p,
1232     tl_if_head_eq_charcode,%
1233     tl_if_head_eq_charcode_p,tl_if_head_eq_meaning,%
1234     tl_if_head_eq_meaning_p,tl_if_head_is_N_type,tl_if_head_is_N_type_p
1235     ,%
1236     tl_if_head_is_group,tl_if_head_is_group_p,tl_if_head_is_space,%
1237     tl_if_head_is_space_p,tl_if_in,tl_if_novalue,tl_if_novalue_p,%
1238     tl_if_single,tl_if_single_p,tl_if_single_token,tl_if_single_token_p
1239     ,%
1240     tl_item,tl_log,tl_map_break,tl_map_function,tl_map_inline,%
1241     tl_map_tokens,tl_map_variable,tl_new,tl_put_left,tl_put_right,%
1242     tl_rand_item,tl_range,tl_range_braced,tl_range_unbraced,%
1243     tl_remove_all,tl_remove_once,tl_replace_all,tl_replace_once,%
1244     tl_rescan,tl_reverse,tl_reverse_items,tl_set,tl_set_eq,%
1245     tl_set_rescan,tl_show,tl_sort,tl_tail,tl_to_str,tl_trim_spaces,%
1246     tl_trim_spaces_apply,tl_use,token_case_catcode,token_case_charcode,
1247     %
1248     token_case_meaning,token_if_active,token_if_active_p,%
1249     token_if_alignment,token_if_alignment_p,token_if_chardef,%
1250     token_if_chardef_p,token_if_cs,token_if_cs_p,token_if_dim_register,
1251     %
1252     token_if_dim_register_p,token_if_eq_catcode,token_if_eq_catcode_p,%
1253     token_if_eq_charcode,token_if_eq_charcode_p,token_if_eq_meaning,%
1254     token_if_eq_meaning_p,token_if_expandable,token_if_expandable_p,%
1255     token_if_font_selection,token_if_font_selection_p,%
1256     token_if_group_begin,token_if_group_begin_p,token_if_group_end,%
1257     token_if_group_end_p,token_if_int_register,token_if_int_register_p,
1258     %
1259     token_if_letter,token_if_letter_p,token_if_long_macro,%
1260     token_if_long_macro_p,token_if_macro,token_if_macro_p,%
1261     token_if_math_subscript,token_if_math_subscript_p,%
1262     token_if_math_superscript,token_if_math_superscript_p,%
1263     token_if_math_toggle,token_if_math_toggle_p,token_if_mathchardef,%
1264     token_if_mathchardef_p,token_if_muskip_register,%
1265     token_if_muskip_register_p,token_if_other,token_if_other_p,%
1266     token_if_parameter,token_if_parameter_p,token_if_primitive,%
1267     token_if_primitive_p,token_if_protected_long_macro,%
1268     token_if_protected_long_macro_p,token_if_protected_macro,%
1269     token_if_protected_macro_p,token_if_skip_register,%
1270     token_if_skip_register_p,token_if_space,token_if_space_p,%
1271     token_if_toks_register,token_if_toks_register_p,token_to_meaning,%
1272     token_to_str,unvcopy,use,use_i,use_i_delimit_by_q_nil,%
1273     use_i_delimit_by_q_recursion_stop,use_i_delimit_by_q_stop,use_ii,
1274     %
1275     use_ii,use_ii_i,use_iii,use_iv,use_none,use_none_delimit_by_q_nil,%
1276     use_none_delimit_by_q_recursion_stop,use_none_delimit_by_q_stop,%
1277     use_none_delimit_by_s_stop,vbox,vbox_gset,vbox_gset_end,%
1278     vbox_gset_split_to_ht,vbox_gset_to_ht,vbox_gset_top,vbox_set,%
1279     vbox_set_end,vbox_set_split_to_ht,vbox_set_to_ht,vbox_set_top,%

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1273     vbox_to_ht,vbox_to_zero,vbox_top,vbox_unpack,vbox_unpack_drop,%
1274     vcoffin_gset,vcoffin_gset_end,vcoffin_set,vcoffin_set_end,%
1275 },%
1276 % Keywords of class 1 : keywords that contain other characters (since
1277 % of the same class as the ones specified as 'otherkeywords')
1278 morekeywords={%
1279 },%
1280 % Keywords of class 2 : environments names
1281 morekeywords=[2]{%
1282 },%
1283 % Keywords of class 3 : mandatory arguments (not environments) &
1284 % optional arguments which are keys (in key=value)
1285 morekeywords=[3]{%
1286     name,alternative-model,alternative-values,%
1287 },%
1288 % Keywords of class 4 : values of keys (in key=value)
1289 morekeywords=[4]{%
1290     cmyk,%
1291 },%
1292 % Keywords of class 5 : arguments specifications (after ":" in expl3
1293 % syntax)
1294 morekeywords=[5]{%
1295     D,N,Nn,NF,NN,Nx,NT,NTF,NNn,NnV,Nnn,Npn,Nnnn,V,c,e,en,f,n,nF,%
1296     nn,nT,nnn,nnF,nnV,nTF,nnnn,nNnF,nNnT,nnVV,o,p,v,w,x,nnTF,%
1297 },%
1298 % Keywords of class 6 : current package name (and possibly derived
1299 % packages)
1300 morekeywords=[6]{%
1301     expl3,%
1302 },
1303 otherkeywords={:,~},%
1304 alsoletter={_-.},%
1305 % alsodigit={},%
1306 % alsoother={},%
1307 sensitive,%
1308 }[keywords,tex,comments]%
1309
1310 \lst@definlanguage[pdftex]{TeX}{%
1311 % Control sequences names
1312 moretexcs={%
1313     pdfinfo,pdfcatalog,pdfpageattr,pdfpagesattr,pdfpageresources,%
1314     pdfcolorstack,%
1315 },%
1316 % Keywords of class 1 : keywords that contain other characters (since
1317 % of the same class as the ones specified as 'otherkeywords')
1318 morekeywords={%
1319 },%
1320 % Keywords of class 2 : environments names
1321 morekeywords=[2]{%
1322 },%
1323 % Keywords of class 3 : mandatory arguments (not environments) &
1324 % optional arguments which are keys (in key=value)

```



```

1325     morekeywords=[3]{%
1326     },%
1327     % Keywords of class 4 : values of keys (in key=value)
1328     morekeywords=[4]{%
1329     },%
1330     % Keywords of class 5 : arguments specifications (after ":" in expl3
1331     % syntax)
1332     morekeywords=[5]{%
1333     },%
1334     % Keywords of class 6 : current package name (and possibly derived
1335     % packages)
1336     morekeywords=[6]{%
1337         pdftex,%
1338     },%
1339     % otherkeywords={},
1340     % alsoletter={},
1341     % alsodigit={},%
1342     % alsoother={},%
1343     sensitive,%
1344 }[keywords, tex, comments]%
1345
1346 \lst@definlanguage[luatex]{TeX}{%
1347     % Control sequences names
1348     moretexcs={%
1349         pdfextension, ifluatex, directlua,%
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         colorstack },%
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         luatex,%
1373     },%
1374     % otherkeywords={},
1375     % alsoletter={},
1376     % alsodigit={},%

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1377     % alsoother={}, %
1378     sensitive,%
1379 }[keywords,tex,comments]%
1380
1381 \lst@definlanguage[dvips]{TeX}{%
1382     % Control sequences names
1383     moretexcs={%
1384     },%
1385     % Keywords of class 1 : keywords that contain other characters (since
1386     % of the same class as the ones specified as 'otherkeywords')
1387     morekeywords={%
1388     },%
1389     % Keywords of class 2 : environments names
1390     morekeywords=[2]{%
1391     },%
1392     % Keywords of class 3 : mandatory arguments (not environments) &
1393     % optional arguments which are keys (in key=value)
1394     morekeywords=[3]{%
1395         color,push,%
1396     },%
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         dvips,%
1408     },%
1409     % otherkeywords={},
1410     % alsoletter={},
1411     % alsodigit={},
1412     % alsoother={},
1413     sensitive,%
1414 }[keywords,tex,comments]%
1415
1416 \lst@definlanguage[xetex]{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)

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```
1429     morekeywords=[3]{%
1430         pdfcolorstack,%
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         xetex,%
1443     },%
1444     % otherkeywords={},
1445     % alsoletter={},
1446     % alsodigit={},%
1447     % alsoother={},%
1448     sensitive,%
1449 }[keywords, tex, comments]%
1450
1451 \lst@definlanguage[inputenc]{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         latin1 },%
1466     % Keywords of class 4 : values of keys (in key=value)
1467     morekeywords=[4]{%
1468     },%
1469     % Keywords of class 5 : arguments specifications (after ":" in expl3
1470     % syntax)
1471     morekeywords=[5]{%
1472     },%
1473     % Keywords of class 6 : current package name (and possibly derived
1474     % packages)
1475     morekeywords=[6]{%
1476         inputenc,%
1477     },%
1478     % otherkeywords={},%
1479     alsoletter={1},%
1480     % alsodigit={},%
```

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1481      % alsoother={}, %
1482      sensitive,%
1483    }[keywords, tex, comments]%
1484
1485 \lst@definlanguage[pdfmanagement-testphase]{TeX}{%
1486   % Control sequences names
1487   moretexcs={%
1488     pdfmanagement_add, DeclareDocumentMetadata, AddToDocumentProperties, %
1489     ShowDocumentProperties, GetDocumentProperties, %
1490   }, %
1491   % Keywords of class 1 : keywords that contain other characters (since
1492   % of the same class as the ones specified as 'otherkeywords')
1493   morekeywords={%
1494   }, %
1495   % Keywords of class 2 : environments names
1496   morekeywords=[2]{%
1497   }, %
1498   % Keywords of class 3 : mandatory arguments (not environments) &
1499   % optional arguments which are keys (in key=value)
1500   morekeywords=[3]{% Keys or optional arguments
1501     pdfmanagement-testphase, uncompress, geometry, top-level, backend, Info,
1502     %
1503     ThisPage, pdfversion, pdfstandard, paper, topic, Title, Rotate, %
1504   }, %
1505   % Keywords of class 4 : values of keys (in key=value)
1506   morekeywords=[4]{%
1507     dvipdfmx, %
1508   }, %
1509   % Keywords of class 5 : arguments specifications (after ":" in expl3
1510   % syntax)
1511   morekeywords=[5]{%
1512     nnn, %
1513   }, %
1514   % Keywords of class 6 : current package name (and possibly derived
1515   % packages)
1516   morekeywords=[6]{%
1517     pdfmanagement-testphase, %
1518   },
1519   otherkeywords={:}, %
1520   alsoletter={_-}, %
1521   % alsodigit={}, %
1522   % alsoother={}, %
1523   sensitive,%
1524 }[keywords, tex, comments]%
1525
1526 \lst@definlanguage[rotating]{TeX}{%
1527   % Control sequences names
1528   moretexcs={%
1529   }, %
1530   % Keywords of class 1 : keywords that contain other characters (since
1531   % of the same class as the ones specified as 'otherkeywords')
1532   morekeywords={%

```

```

1532     },%
1533     % Keywords of class 2 : environments names
1534     morekeywords=[2]{%
1535         sidewaysstable,%
1536     },%
1537     % Keywords of class 3 : mandatory arguments (not environments) &
1538     % optional arguments which are keys (in key=value)
1539     morekeywords=[3]{%
1540     },%
1541     % Keywords of class 4 : values of keys (in key=value)
1542     morekeywords=[4]{%
1543     },%
1544     % Keywords of class 5 : arguments specifications (after ":" in expl3
1545     % syntax)
1546     morekeywords=[5]{%
1547     },%
1548     % Keywords of class 6 : current package name (and possibly derived
1549     % packages)
1550     morekeywords=[6]{%
1551         rotating,%
1552     },%
1553     % alsoletter={},
1554     % alsodigit={},%
1555     % alsoother={},%
1556     sensitive,%
1557 }[keywords, tex, comments]%
1558
1559 \lst@definlanguage[fontenc]{TeX}%
1560 {%
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     },%
1571     % Keywords of class 3 : mandatory arguments (not environments) &
1572     % optional arguments which are keys (in key=value)
1573     morekeywords=[3]{%
1574         T1 },%
1575     % Keywords of class 4 : values of keys (in key=value)
1576     morekeywords=[4]{%
1577     },%
1578     % Keywords of class 5 : arguments specifications (after ":" in expl3
1579     % syntax)
1580     morekeywords=[5]{%
1581     },%
1582     % Keywords of class 6 : current package name (and possibly derived
1583     % packages)

```

```

1584     morekeywords=[6]{%
1585         fontenc,%
1586     },%
1587     % otherkeywords={},
1588     % alsoletter={1},%
1589     alsodigit={1},%
1590     % alsoother={},%
1591     sensitive,%
1592 }[keywords,tex,comments]%
1593
1594 \lst@definlanguage[babel]{TeX}%
1595 {%
1596     % Control sequences names
1597     moretexcs={%
1598         foreignlanguage,selectlanguage,iflanguage,%
1599     },%
1600     % Keywords of class 1 : keywords that contain other characters (since
1601     % of the same class as the ones specified as 'otherkeywords')
1602     morekeywords={%
1603     },%
1604     % Keywords of class 2 : environments names
1605     morekeywords=[2]{%
1606         otherlanguage,%
1607     },%
1608     % Keywords of class 3 : mandatory arguments (not environments) &
1609     % optional arguments which are keys (in key=value)
1610     morekeywords=[3]{%
1611     },%
1612     % Keywords of class 4 : values of keys (in key=value)
1613     morekeywords=[4]{%
1614         UKenglish,USenglish,acadian,afrikaans,american,arabic,australian,%
1615         austrian,azerbaijani,bahasa,bahasai,basque,bgreek,brazil,%
1616         brazilian,breton,british,bulgarian,canadian,canadien,catalan,%
1617         croatian,czech,danish,dutch,english,esperanto,estonian,ethiop,%
1618         farsi,finnish,français,french,frenchle,friulan,galician,german,%
1619         germanb,greek,hebrew,hindi,ibygreek,icelandic,indon,indonesian,%
1620         interlingua,irish,italian,japanese,latin,latvian,lithuanian,%
1621         lowersorbian,magyar,malay,melayu (bahasam),mongolian,naustrian,%
1622         newzealand,ngerman,norsk,nynorsk,pinyin,polish,polutonikogreek,%
1623         portuges,portuguese,romanian,romansh,russian,samin,scottish,%
1624         serbian,serbianc,slovak,slovene,spanglish,spanish,swedish,thai,%
1625         thaicjk,turkish,turkmen,ukrainian,uppersorbian,vietnamese,%
1626         welsh,%
1627     },%
1628     % Keywords of class 5 : arguments specifications (after ":" in expl3
1629     % syntax)
1630     morekeywords=[5]{%
1631     },%
1632     % Keywords of class 6 : current package name (and possibly derived
1633     % packages)
1634     morekeywords=[6]{%
1635         babel,%

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```

1636     },%
1637     % otherkeywords={},
1638     % alsoletter={},
1639     % alsodigit={},%
1640     % alsoother={},%
1641     sensitive,%
1642 }[keywords, tex, comments]%
1643
1644 \lst@definlanguage[babel-french]{TeX}%
1645 {%
1646     % Control sequences names
1647     moretexcs={%
1648         og,fg,up,bsc,ier,iers,iere,ieres,ieme,iemes,primo,secundo,%
1649         tertio,quarto,FrenchEnumerate,No,Nos,no,nos,degre,nombre,%
1650         frenchabstractname,frenchbibname,frenchrefname,frenchprefacename,%
1651         frenchchaptername,frenchappendixname,frenchcontentsname,%
1652         frenchlistfigurename,frenchlisttablename,frenchindexname,%
1653         frenchglossaryname,frenchfigurename,frenchtablename,frenchpartname,%
1654         %
1655         frenchenclname,frenchccname,frenchheadtoname,frenchpagename,%
1656         frenchseenname,frenchalsoname,frenchproofname,%
1657         frquote,%
1658     },%
1659     % Keywords of class 1 : keywords that contain other characters (since
1660     % of the same class as the ones specified as 'otherkeywords')
1661     morekeywords={%
1662     },%
1663     % Keywords of class 2 : environments names
1664     morekeywords=[2]{%
1665     },%
1666     % Keywords of class 3 : mandatory arguments (not environments) &
1667     % optional arguments which are keys (in key=value)
1668     morekeywords=[3]{%
1669     },%
1670     % Keywords of class 4 : values of keys (in key=value)
1671     morekeywords=[4]{%
1672     },%
1673     % Keywords of class 5 : arguments specifications (after ":" in expl3
1674     % syntax)
1675     morekeywords=[5]{%
1676     },%
1677     % Keywords of class 6 : current package name (and possibly derived
1678     % packages)
1679     morekeywords=[6]{%
1680         babel-french,%
1681     },%
1682     % otherkeywords={},%
1683     alsoletter={-},%
1684     % alsodigit={},%
1685     % alsoother={},%
1686     sensitive,%
1687 }[keywords, tex, comments]%

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1687
1688 \lst@definlanguage[kantlipsum]{TeX}{%
1689   % Control sequences names
1690   moretexcs={%
1691     kant,%
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     kantlipsum,%
1715   },%
1716   % otherkeywords={},
1717   % alsoletter={},
1718   % alsodigit={},%
1719   % alsoother={},%
1720   sensitive,%
1721 }[keywords, tex, comments]%
1722
1723 \lst@definlanguage[hyperxmp]{TeX}{%
1724   % Control sequences names
1725   moretexcs={%
1726   },%
1727   % Keywords of class 1 : keywords that contain other characters (since
1728   % of the same class as the ones specified as 'otherkeywords')
1729   morekeywords={%
1730   },%
1731   % Keywords of class 2 : environments names
1732   morekeywords=[2]{%
1733   },%
1734   % Keywords of class 3 : mandatory arguments (not environments) &
1735   % optional arguments which are keys (in key=value)
1736   morekeywords=[3]{%
1737   },%
1738   % Keywords of class 4 : values of keys (in key=value)

```



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1739     morekeywords=[4]{%
1740     },%
1741     % Keywords of class 5 : arguments specifications (after ":" in expl3
1742     % syntax)
1743     morekeywords=[5]{%
1744     },%
1745     % Keywords of class 6 : current package name (and possibly derived
1746     % packages)
1747     morekeywords=[6]{%
1748         hyperxmp,%
1749     },%
1750     % otherkeywords={},
1751     % alsoletter={},
1752     % alsodigit={},%
1753     % alsoother={},%
1754     sensitive,%
1755 }[keywords, tex, comments]%
1756
1757 \lst@definlanguage[hyperref]{TeX}{%
1758     % Control sequences names
1759     moretexcs={%
1760         hypersetup, href, phantomsection, pdfstringdefDisableCommands, url,%
1761         nolinkurl, hyperbaseurl, hyperimage, hyperdef, hyperref, hyperlink,%
1762         hypertarget, hyperget, autoref, autopageref, ref*, pageref*, autoref*,%
1763         autopageref*, pdfstringdef, pdfbookmark, currentpdfbookmark,%
1764         subpdfbookmark, belowpdfbookmark, texorpdfstring, thispdfpagelabel,%
1765         hypercalcbp, nameref,%
1766     },%
1767     % Keywords of class 1 : keywords that contain other characters (since
1768     % of the same class as the ones specified as 'otherkeywords')
1769     morekeywords={%
1770     },%
1771     % Keywords of class 2 : environments names
1772     morekeywords=[2]{%
1773     },%
1774     % Keywords of class 3 : mandatory arguments (not environments) &
1775     % optional arguments which are keys (in key=value)
1776     morekeywords=[3]{%
1777         allbordercolors, allcolors, anchorcolor, backref, baseurl, bookmarks,%
1778         bookmarksnumbered, bookmarksopen, bookmarksopenlevel, bookmarkstype,%
1779         breaklinks, CJKbookmarks, citebordercolor, citecolor, colorlinks, debug,%
1780         destlabel, draft, driverfallback, dvipdfm, dvipdfmx, dvips, dvipsone,%
1781         dviwindo, encap, extension, filebordercolor, filecolor, final,%
1782         frenchlinks, hidelinks, hyperfigures, hyperfootnotes, hyperindex,%
1783         hypertex, hypertexnames, implicit, latex2html, linkbordercolor,%
1784         linkcolor, linktoc, linktocpage, menubordercolor, menucolor, nativepdf,%
1785         naturalnames, nesting, next-anchor, pageanchor, pagebackref, pdfauthor,%
1786         pdfborder, pdfborderstyle, pdfcenterwindow, pdfcreator, pdfdirection,%
1787         pdfdisplaydoctitle, pdfduplex, pdfffitwindow, pdfhighlight, pdfinfo,%
1788         pdfkeywords, pdflang, pdfmark, pdfmenubar, pdfnewwindow,%
1789         pdfnonfullscreenpagemode, pdfnumcopies, pdfpagelabels, pdfpagelayout,%

```

```

1790 pdfpagemode, pdfpagescrop, pdfpagetransition, pdfpicktraybypdfsize, %
1791 pdfprintarea, pdfprintclip, pdfprintpagerange, pdfprintscaling, %
1792 pdfproducer, pdfremotestartview, pdfstartpage, pdfstartview, pdfsubject
1793 , %
1794 pdftex, pdftitle, pdftoolbar, pdftrapped, pdfview, pdfviewarea, %
1795 pdfviewclip, pdfwindowui, plainpages, ps2pdf, psdextra, raiselinks, %
1796 runbordercolor, runcolor, setpagesize, tex4ht, textures, unicode, %
1797 urlbordercolor, urlcolor, verbose, vtex, xetex, %
1798 }, %
1799 % Keywords of class 4 : values of keys (in key=value)
1800 morekeywords=[4]{%
1801 }, %
1802 % Keywords of class 5 : arguments specifications (after ":" in expl3
1803 % syntax)
1804 morekeywords=[5]{%
1805 }, %
1806 % Keywords of class 6 : current package name (and possibly derived
1807 % packages)
1808 morekeywords=[6]{%
1809 hyperref, %
1810 }, %
1811 % otherkeywords={}, %
1812 alsoletter={*}, %
1813 % alsodigit={}, %
1814 % alsoother={}, %
1815 sensitive, %
1816 }[keywords, tex, comments]%
1817 \lst@definlanguage[graphicx]{TeX}{%
1818 % Control sequences names
1819 moretexcs={%
1820 includegraphics, includegraphics*, definecolor, color, textcolor, %
1821 mathcolor, pagecolor, nopagecolor, colorbox, fcolorbox, rotatebox, %
1822 scalebox, reflectbox, resizebox, resizebox*, graphicspath, %
1823 DeclareGraphicsExtensions, DeclareGraphicsRule }, %
1824 % Keywords of class 1 : keywords that contain other characters (since
1825 % of the same class as the ones specified as 'otherkeywords')
1826 morekeywords={%
1827 }, %
1828 % Keywords of class 2 : environments names
1829 morekeywords=[2]{%
1830 }, %
1831 % Keywords of class 3 : mandatory arguments (not environments) &
1832 % optional arguments which are keys (in key=value)
1833 morekeywords=[3]{%
1834 draft, final, hiresbb, demo, setpagesize, nosetpagesize, dvips, xdvi, %
1835 dvipdf, dvipdfm, dvipdfmx, xetex, pdftex, luatex, dvisvgm, dvipsone, %
1836 dviwindo, emtex, dviwin, oztex, textures, pctexps, pctexwin, pctexhp, %
1837 pctex32, truetex, tcidvi, vtex, debugshow, hiderotate, hidescale, alt, %
1838 %
1839 bb, bblx, bblly, bburx, bbury, natwidth, natheight, hiresbb, pagebox, %
1840 viewport, trim, angle, origin, width, height, totalheight, %

```

```

1841     keepaspectratio,scale,clip,draft,type,ext,read,command,quiet,%
1842     page,interpolate,decodearray,origin,x,y,units,%
1843 },%
1844 % Keywords of class 4 : values of keys (in key=value)
1845 morekeywords=[4]{%
1846     mediabox,cropbox,bleedbox,trimbox,artbox,true,false,%
1847 },%
1848 % Keywords of class 5 : arguments specifications (after ":" in expl3
1849 % syntax)
1850 morekeywords=[5]{%
1851 },%
1852 % Keywords of class 6 : current package name (and possibly derived
1853 % packages)
1854 morekeywords=[6]{%
1855     graphicx,%
1856 },%
1857 % otherkeywords={},%
1858 alsoletter={23},%
1859 % alsodigit={},%
1860 % alsoother={},%
1861 sensitive,%
1862 }[keywords,tex,comments]%
1863
1864 \lst@definelanguage[geometry]{TeX}{%
1865     % Control sequences names
1866     moretexcs={%
1867         geometry,newgeometry,restoregeometry,savegeometry,loadgeometry,%
1868     },%
1869     % Keywords of class 1 : keywords that contain other characters (since
1870     % of the same class as the ones specified as 'otherkeywords')
1871     morekeywords={%
1872     },%
1873     % Keywords of class 2 : environments names
1874     morekeywords=[2]{%
1875     },%
1876     % Keywords of class 3 : mandatory arguments (not environments) &
1877     % optional arguments which are keys (in key=value)
1878     morekeywords=[3]{%
1879         paper,papername,paperwidth,paperheight,papersize,landscape,%
1880         portrait,layout,layoutwidth,layoutheight,layoutsizes,layoutoffset,%
1881         layoutvoffset,layoutoffset,hscale,vscale,scale,width,totalwidth,%
1882         height,totalheight,total,textwidth,textheight,text,body,lines,%
1883         includehead,includefoot,includeheadfoot,includemp,includeall,%
1884         ignorehead,ignorefoot,ignoreheadfoot,ignoremp,ignoreall,%
1885         heightrounded,hdivide,vdivide,divide,left,lmargin,inner,right,%
1886         rmargin,outer,top,tmargin,bottom,bmargin,hmargin,vmargin,margin,%
1887         hmarginratio,vmarginratio,marginratio,ratio,hcentering,vcentering,%
1888         centering,twoside,asymmetric,headheight,head,headsep,footskip,%
1889         foot,nohead,nofoot,noheadfoot,footnotesep,marginparwidth,%
1890         marginparsep,nomarginpar,columnsep,hoffset,voffset,offset,%
1891         twocolumn,onecolumn,reversemp,reversemarginpar,verbose,reset,mag,%
1892         truedimen,pass,showframe,showcrop,%

```

```

1893     },%
1894     % Keywords of class 4 : values of keys (in key=value)
1895     morekeywords=[4]{%
1896         a0paper,a1paper,a2paper,a3paper,a4paper,a5paper,a6paper,b0paper,%
1897         b1paper,b2paper,b3paper,b4paper,b5paper,b6paper,c0paper,c1paper,%
1898         c2paper,c3paper,c4paper,c5paper,c6paper,b0j,b1j,b2j,b3j,b4j,%
1899         b5j,b6j,ansipaper,ansibpaper,ansicpaper,ansidpaper,ansiepaper,%
1900         letterpaper,executivepaper,legalpaper,screen,dvips,dvipdfm,pdftex,%
1901         luatex,xetex,vtex,dvipdfmx,xdvipdfmx,%
1902     },%
1903     % Keywords of class 5 : arguments specifications (after ":" in expl3
1904     % syntax)
1905     morekeywords=[5]{%
1906     },%
1907     % Keywords of class 6 : current package name (and possibly derived
1908     % packages)
1909     morekeywords=[6]{%
1910         geometry,%
1911     },%
1912     % otherkeywords={},%
1913     alsoletter={0123456},%
1914     % alsodigit={},%
1915     % alsoother={},%
1916     sensitive,%
1917 }[keywords,tex,comments]%
1918
1919 \lst@definlanguage[newpax]{TeX}{%
1920     % Control sequences names
1921     moretexcs={%
1922         newpaxsetup,%
1923     },%
1924     % Keywords of class 1 : keywords that contain other characters (since
1925     % of the same class as the ones specified as 'otherkeywords')
1926     morekeywords={%
1927     },%
1928     % Keywords of class 2 : environments names
1929     morekeywords=[2]{%
1930     },%
1931     % Keywords of class 3 : mandatory arguments (not environments) &
1932     % optional arguments which are keys (in key=value)
1933     morekeywords=[3]{%
1934         addannots,%
1935     },%
1936     % Keywords of class 4 : values of keys (in key=value)
1937     morekeywords=[4]{%
1938         false,%
1939     },%
1940     % Keywords of class 5 : arguments specifications (after ":" in expl3
1941     % syntax)
1942     morekeywords=[5]{%
1943     },%
1944     % Keywords of class 6 : current package name (and possibly derived

```

```

1945 % packages)
1946 morekeywords=[6]{%
1947     newpax,%
1948 },%
1949 % otherkeywords={},
1950 % alsoletter={},
1951 % alsodigit={},%
1952 % alsoother={},%
1953 sensitive,%
1954 }[keywords, tex, comments]%
1955
1956 \lstdefinelanguage[tikz]{TeX}{%
1957 % Control sequences names
1958 moretexcs={%
1959     usetikzlibrary, draw, node, matrix, fill, foreach, tikz, pgfmathsetmacro,%
1960     path,%
1961 },%
1962 % Keywords of class 1 : keywords that contain other characters (since
1963 % of the same class as the ones specified as 'otherkeywords')
1964 morekeywords={%
1965 },%
1966 % Keywords of class 2 : environments names
1967 morekeywords=[2]{%
1968     tikzpicture,%
1969 },%
1970 % Keywords of class 3 : mandatory arguments (not environments) &
1971 % optional arguments which are keys (in key=value)
1972 morekeywords=[3]{%
1973     pic, rotate, xshift, yshift, every node, inner sep, blend mode, fill,%
1974     fit, circle, anchor, in, count, x, y, matrix, of, math, nodes, above right,%
1975     at, --, -, |, |-, thick, size, angle, circle, through, intersection, of,%
1976     draw, coordinate, shift, and, cycle, cs:A, node, barycentric,%
1977 },%
1978 % Keywords of class 4 : values of keys (in key=value)
1979 morekeywords=[4]{%
1980     multiply, lightgray, base, red%
1981 },%
1982 % Keywords of class 5 : arguments specifications (after ":" in expl3
1983 % syntax)
1984 morekeywords=[5]{%
1985 },%
1986 % Keywords of class 6 : current package name (and possibly derived
1987 % packages)
1988 morekeywords=[6]{%
1989     tikz,%
1990 },%
1991 % otherkeywords={},%
1992 alsoletter={-| \ :},%
1993 % alsodigit={},%
1994 % alsoother={},%
1995 sensitive,%
1996 }[keywords, tex, comments]%

```

```

1997
1998 \lst@definlanguage[tikzducks]{TeX}{%
1999   % Control sequences names
2000   moretexcs={%
2001     duck,%
2002   },%
2003   % Keywords of class 1 : keywords that contain other characters (since
2004   % of the same class as the ones specified as 'otherkeywords')
2005   morekeywords={%
2006   },%
2007   % Keywords of class 2 : environments names
2008   morekeywords=[2]{%
2009   },%
2010   % Keywords of class 3 : mandatory arguments (not environments) &
2011   % optional arguments which are keys (in key=value)
2012   morekeywords=[3]{%
2013     alien,aodai,baguette,basket,beard,beret,bill,body,book,%
2014     bookcolour,bowtie,bubblecolour,bunny,buttons,cake,cape,cape,%
2015     cheese,chef,cocktail,conicalhat,crazyhair,cricket,crown,crozier,%
2016     crystalball,darthvader,devil,easter,egga,eggb,egg,eye,eyebrow,%
2017     flavoura,flavourb,flavourc,football,glasses,graduate,grumpy,%
2018     handbag,harlequin,hathat,head,helmet,hockey,horsetail,icecream,%
2019     inear,invisible,jacket,kingcrown,lapel,laughing,lightsaber,%
2020     longhair,magichat,magicstars,magicwand,mask,milkshake,mohican,%
2021     mullet,name,neckerchief,necklace,niugelrah,overleaf,parrot,%
2022     parting,peakedcap,pickaxe,pizza,prison,queencrown,recedinghair,%
2023     ribbon,rollingpin,sailor,santa,sheep,shorthair,shovel,signback,%
2024     signcolour,signpost,snowduck,speech,squareglasses,stethoscope,%
2025     strawhat,sunglasses,tail,tassel,think,tie,tophat,torch,tshirt,%
2026     umbrella,umbrellaclosed,unicorn,vampire,viking,water,wine,wing,%
2027     witch,woggle,%
2028   },%
2029   % Keywords of class 4 : values of keys (in key=value)
2030   morekeywords=[4]{%
2031     blue,green,red,yellow,%
2032   },%
2033   % Keywords of class 5 : arguments specifications (after ":" in expl3
2034   % syntax)
2035   morekeywords=[5]{%
2036   },%
2037   % Keywords of class 6 : current package name (and possibly derived
2038   % packages)
2039   morekeywords=[6]{%
2040     tikzducks,%
2041   },%
2042   % otherkeywords={},
2043   % alsoletter={},
2044   % alsodigit={},
2045   % alsoother={},
2046   sensitive,%
2047 }[keywords, tex, comments]%
2048

```

```

2049 \lst@definlanguage[tikzlings]{TeX}{%
2050   % Control sequences names
2051   moretexcs={%
2052     anteater,bear,bee,cat,chicken,coati,elephant,hippo,koala,%
2053     marmot,mole,mouse,owl,panda,penguin,pig,rhino,sheep,sloth,%
2054     squirrel,snowman,%
2055   },%
2056   % Keywords of class 1 : keywords that contain other characters (since
2057   % of the same class as the ones specified as 'otherkeywords')
2058   morekeywords={%
2059   },%
2060   % Keywords of class 2 : environments names
2061   morekeywords=[2]{%
2062   },%
2063   % Keywords of class 3 : mandatory arguments (not environments) &
2064   % optional arguments which are keys (in key=value)
2065   morekeywords=[3]{%
2066     3D,eye,contour,back,globalwarming,whiskers,schroedinger,%
2067   },%
2068   % Keywords of class 4 : values of keys (in key=value)
2069   morekeywords=[4]{%
2070   },%
2071   % Keywords of class 5 : arguments specifications (after ":" in expl3
2072   % syntax)
2073   morekeywords=[5]{%
2074   },%
2075   % Keywords of class 6 : current package name (and possibly derived
2076   % packages)
2077   morekeywords=[6]{%
2078     tikzlings,%
2079   },%
2080   % otherkeywords={},%
2081   alsoletter={3},%
2082   % alsodigit={},%
2083   % alsoother={},%
2084   sensitive,%
2085 }[keywords,tex,comments]%
2086
2087 \lst@definlanguage[amsmath]{TeX}{%
2088   % Control sequences names
2089   moretexcs={%
2090     cdots,ddots,vdots,%
2091   },%
2092   % Keywords of class 1 : keywords that contain other characters (since
2093   % of the same class as the ones specified as 'otherkeywords')
2094   morekeywords={%
2095   },%
2096   % Keywords of class 2 : environments names
2097   morekeywords=[2]{%
2098     pmatrix,%
2099   },%
2100   % Keywords of class 3 : mandatory arguments (not environments) &

```



```

2101 % optional arguments which are keys (in key=value)
2102 morekeywords=[3]{%
2103 },%
2104 % Keywords of class 4 : values of keys (in key=value)
2105 morekeywords=[4]{%
2106 },%
2107 % Keywords of class 5 : arguments specifications (after ":" in expl3
2108 % syntax)
2109 morekeywords=[5]{%
2110 },%
2111 % Keywords of class 6 : current package name (and possibly derived
2112 % packages)
2113 morekeywords=[6]{%
2114 amsmath,%
2115 },%
2116 % otherkeywords={},
2117 % alsoletter={},
2118 % alsodigit={},%
2119 % alsoother={},%
2120 sensitive,%
2121 }[keywords, tex, comments]%
2122
2123 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2124 % xparse
2125 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2126 \lst@definlanguage[xparse]{TeX}{%
2127 % Control sequences names
2128 moretexcs={%
2129 NewDocumentCommand, RenewDocumentCommand, ProvideDocumentCommand,%
2130 DeclareDocumentCommand, NewDocumentEnvironment,%
2131 RenewDocumentEnvironment, ProvideDocumentEnvironment,%
2132 DeclareDocumentEnvironment, NewExpandableDocumentCommand,%
2133 RenewExpandableDocumentCommand, ProvideExpandableDocumentCommand,%
2134 DeclareExpandableDocumentCommand, IfNoValueT, IfNoValueF, IfNoValueTF,
2135 %
2136 IfValueT, IfValueF, IfValueTF, IfBooleanT, IfBooleanF, IfBooleanTF,%
2137 BooleanTrue, BooleanFalse, ProcessedArgument, ReverseBoolean,%
2138 SplitArgument, SplitList, ProcessList, TrimSpaces,%
2139 GetDocumentCommandArgSpec, GetDocumentEnvironmentArgSpec,%
2140 ShowDocumentCommandArgSpec, ShowDocumentEnvironmentArgSpec,%
2141 },%
2142 % Keywords of class 1 : keywords that contain other characters (since
2143 % of the same class as the ones specified as 'otherkeywords')
2144 morekeywords={%
2145 },%
2146 % Keywords of class 2 : environments names
2147 morekeywords=[2]{%
2148 },%
2149 % Keywords of class 3 : mandatory arguments (not environments) &
2150 % optional arguments which are keys (in key=value)
2151 morekeywords=[3]{%
2152 log-declarations,%

```



```

2152         m,r,R,v,b,o,d,O,D,s,t,e,E,%
2153     },%
2154     % Keywords of class 4 : values of keys (in key=value)
2155     morekeywords=[4]{%
2156     },%
2157     % Keywords of class 5 : arguments specifications (after ":" in expl3
2158     % syntax)
2159     morekeywords=[5]{%
2160     },%
2161     % Keywords of class 6 : current package name (and possibly derived
2162     % packages)
2163     morekeywords=[6]{%
2164         xparse,%
2165     },%
2166     % otherkeywords={},%
2167     alsoletter={-},%
2168     % alsodigit={},%
2169     % alsoother={},%
2170     sensitive,%
2171 }[keywords, tex, comments]%
2172
2173 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2174 % colortbl
2175 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2176 \lst@definlanguage[colortbl]{TeX}{%
2177     % Control sequences names
2178     moretexcs={%
2179         columncolor,rowcolor,cellcolor,arrayrulecolor,doublerulesepcolor,%
2180         minrowclearance,%
2181     },%
2182     % Keywords of class 1 : keywords that contain other characters (since
2183     % of the same class as the ones specified as 'otherkeywords')
2184     morekeywords={%
2185     },%
2186     % Keywords of class 2 : environments names
2187     morekeywords=[2]{%
2188     },%
2189     % Keywords of class 3 : mandatory arguments (not environments) &
2190     % optional arguments which are keys (in key=value)
2191     morekeywords=[3]{%
2192     },%
2193     % Keywords of class 4 : values of keys (in key=value)
2194     morekeywords=[4]{%
2195     },%
2196     % Keywords of class 5 : arguments specifications (after ":" in expl3
2197     % syntax)
2198     morekeywords=[5]{%
2199     },%
2200     % Keywords of class 6 : current package name (and possibly derived
2201     % packages)
2202     morekeywords=[6]{%
2203         colortbl,%

```

```

2204     },%
2205     % otherkeywords={},
2206     % alsoletter={},
2207     % alsodigit={},%
2208     % alsoother={},%
2209     sensitive,%
2210 }[keywords,tex,comments]%
2211
2212 %%%%%%%%%%%
2213 % multirow
2214 %%%%%%%%%%%
2215 \lst@definlanguage[multirow]{TeX}%
2216 {%
2217     % Control sequences names
2218     moretexcs={%
2219         multirow,%
2220     },%
2221     % Keywords of class 1 : keywords that contain other characters (since
2222     % of the same class as the ones specified as 'otherkeywords')
2223     morekeywords={%
2224     },%
2225     % Keywords of class 2 : environments names
2226     morekeywords=[2]{%
2227     },%
2228     % Keywords of class 3 : mandatory arguments (not environments) &
2229     % optional arguments which are keys (in key=value)
2230     morekeywords=[3]{%
2231     },%
2232     % Keywords of class 4 : values of keys (in key=value)
2233     morekeywords=[4]{%
2234     },%
2235     % Keywords of class 5 : arguments specifications (after ":" in expl3
2236     % syntax)
2237     morekeywords=[5]{%
2238     },%
2239     % Keywords of class 6 : current package name (and possibly derived
2240     % packages)
2241     morekeywords=[6]{%
2242         multirow,%
2243     },%
2244     % otherkeywords={},
2245     % alsoletter={},
2246     % alsodigit={},%
2247     % alsoother={},%
2248     sensitive,%
2249 }[keywords,tex,comments]%
2250
2251 %%%%%%%%%%%
2252 % nicematrix
2253 %%%%%%%%%%%
2254 \lst@definlanguage[nicematrix]{TeX}%
2255 {%

```

```

2256 % Control sequences names
2257 moretexcs={%
2258     Cdots,Ddots,Vdots,Body,CodeBefore,CodeAfter,Block,%
2259 },%
2260 % Keywords of class 1 : keywords that contain other characters (since
2261 % of the same class as the ones specified as 'otherkeywords')
2262 morekeywords={%
2263 },%
2264 % Keywords of class 2 : environments names
2265 morekeywords=[2]{%
2266     pNiceMatrix,NiceMatrix,NiceTabular,bNiceArray,%
2267 },%
2268 % Keywords of class 3 : mandatory arguments (not environments) &
2269 % optional arguments which are keys (in key=value)
2270 morekeywords=[3]{%
2271     hvlines,rules/width,baseline,colortbl-like,margin,right-margin,%
2272     create-cell-nodes,rounded-corners,draw,%
2273 },%
2274 % Keywords of class 4 : values of keys (in key=value)
2275 morekeywords=[4]{%
2276 },%
2277 % Keywords of class 5 : arguments specifications (after ":" in expl3
2278 % syntax)
2279 morekeywords=[5]{%
2280 },%
2281 % Keywords of class 6 : current package name (and possibly derived
2282 % packages)
2283 morekeywords=[6]{%
2284     nicematrix,%
2285 },%
2286 otherkeywords={&},%
2287 alsoletter={/},%
2288 % alsodigit={},%
2289 % alsoother={},%
2290 sensitive,%
2291 }[keywords,tex,comments]%
2292
2293 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2294 % booktabs
2295 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2296 \lst@definlanguage[booktabs]{TeX}%
2297 {%
2298 % Control sequences names
2299 moretexcs={%
2300     toprule,midrule,bottomrule,cmidrule,addlinespace,moreecmidrules,%
2301     specialrule,%
2302 },%
2303 % Keywords of class 1 : keywords that contain other characters (since
2304 % of the same class as the ones specified as 'otherkeywords')
2305 morekeywords={%
2306 },%
2307 % Keywords of class 2 : environments names

```

```

2308     morekeywords=[2]{%
2309     },%
2310     % Keywords of class 3 : mandatory arguments (not environments) &
2311     % optional arguments which are keys (in key=value)
2312     morekeywords=[3]{%
2313     },%
2314     % Keywords of class 4 : values of keys (in key=value)
2315     morekeywords=[4]{%
2316     },%
2317     % Keywords of class 5 : arguments specifications (after ":" in expl3
2318     % syntax)
2319     morekeywords=[5]{%
2320     },%
2321     % Keywords of class 6 : current package name (and possibly derived
2322     % packages)
2323     morekeywords=[6]{%
2324         booktabs,%
2325     },%
2326     % otherkeywords={},
2327     % alsoletter={},
2328     % alsodigit={},%
2329     % alsoother={},%
2330     sensitive,%
2331 }[keywords, tex, comments]%
2332
2333 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2334 % strands
2335 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2336 \lst@definlanguage[strands]{TeX}%
2337 {%
2338     % Control sequences names
2339     moretexcs={%
2340         strands,%
2341     },%
2342     % Keywords of class 1 : keywords that contain other characters (since
2343     % of the same class as the ones specified as 'otherkeywords')
2344     morekeywords={%
2345     },%
2346     % Keywords of class 2 : environments names
2347     morekeywords=[2]{%
2348     },%
2349     % Keywords of class 3 : mandatory arguments (not environments) &
2350     % optional arguments which are keys (in key=value)
2351     morekeywords=[3]{%
2352     },%
2353     % Keywords of class 4 : values of keys (in key=value)
2354     morekeywords=[4]{%
2355     },%
2356     % Keywords of class 5 : arguments specifications (after ":" in expl3
2357     % syntax)
2358     morekeywords=[5]{%
2359     },%

```

```

2360      % Keywords of class 6 : current package name (and possibly derived
2361      % packages)
2362      morekeywords=[6]{%
2363          strands,%
2364      },%
2365      % otherkeywords={},
2366      % alsoletter={},
2367      % alsodigit={},%
2368      % alsoother={},%
2369      sensitive,%
2370  }[keywords, tex, comments]%
2371
2372      %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2373      % cartonaugh
2374      %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2375      \lstdefinlanguage[cartonaugh]{TeX}%
2376      {%
2377          % Control sequences names
2378          moretexcs={%
2379              maxterms, minterms, terms, implicant,%
2380          },%
2381          % Keywords of class 1 : keywords that contain other characters (since
2382          % of the same class as the ones specified as 'otherkeywords')
2383          morekeywords={%
2384          },%
2385          % Keywords of class 2 : environments names
2386          morekeywords=[2]{%
2387              cartonaugh,%
2388          },%
2389          % Keywords of class 3 : mandatory arguments (not environments) &
2390          % optional arguments which are keys (in key=value)
2391          morekeywords=[3]{%
2392          },%
2393          % Keywords of class 4 : values of keys (in key=value)
2394          morekeywords=[4]{%
2395          },%
2396          % Keywords of class 5 : arguments specifications (after ":" in expl3
2397          % syntax)
2398          morekeywords=[5]{%
2399          },%
2400          % Keywords of class 6 : current package name (and possibly derived
2401          % packages)
2402          morekeywords=[6]{%
2403              cartonaugh,%
2404          },%
2405          % otherkeywords={},
2406          % alsoletter={},
2407          % alsodigit={},%
2408          % alsoother={},%
2409          sensitive,%
2410      }[keywords, tex, comments]%
2411

```

```

2412 %%%%%%%%%%%
2413 % xistercian
2414 %%%%%%%%%%%
2415 \lst@definlanguage[xistercian]{TeX}%
2416 {%
2417   % Control sequences names
2418   moretexcs={%
2419     cisterciannum,%
2420   },%
2421   % Keywords of class 1 : keywords that contain other characters (since
2422   % of the same class as the ones specified as 'otherkeywords')
2423   morekeywords={%
2424   },%
2425   % Keywords of class 2 : environments names
2426   morekeywords=[2]{%
2427     xistercian,%
2428   },%
2429   % Keywords of class 3 : mandatory arguments (not environments) &
2430   % optional arguments which are keys (in key=value)
2431   morekeywords=[3]{%
2432   },%
2433   % Keywords of class 4 : values of keys (in key=value)
2434   morekeywords=[4]{%
2435   },%
2436   % Keywords of class 5 : arguments specifications (after ":" in expl3
2437   % syntax)
2438   morekeywords=[5]{%
2439   },%
2440   % Keywords of class 6 : current package name (and possibly derived
2441   % packages)
2442   morekeywords=[6]{%
2443     xistercian,%
2444   },%
2445   % otherkeywords={},
2446   % alsoletter={},
2447   % alsodigit={},%
2448   % alsoother={},%
2449   sensitive,%
2450 }[keywords,tex,comments]%
2451
2452 %%%%%%%%%%%
2453 % aboensis
2454 %%%%%%%%%%%
2455 \lst@definlanguage[aboensis]{TeX}%
2456 {%
2457   % Control sequences names
2458   moretexcs={%
2459     abcursivefamily,%
2460   },%
2461   % Keywords of class 1 : keywords that contain other characters (since
2462   % of the same class as the ones specified as 'otherkeywords')
2463   morekeywords={%

```

```

2464     },%
2465     % Keywords of class 2 : environments names
2466     morekeywords=[2]{%
2467     },%
2468     % Keywords of class 3 : mandatory arguments (not environments) &
2469     % optional arguments which are keys (in key=value)
2470     morekeywords=[3]{%
2471     },%
2472     % Keywords of class 4 : values of keys (in key=value)
2473     morekeywords=[4]{%
2474     },%
2475     % Keywords of class 5 : arguments specifications (after ":" in expl3
2476     % syntax)
2477     morekeywords=[5]{%
2478     },%
2479     % Keywords of class 6 : current package name (and possibly derived
2480     % packages)
2481     morekeywords=[6]{%
2482         aboensis,%
2483     },%
2484     % otherkeywords={},
2485     % alsoletter={},
2486     % alsodigit={},%
2487     % alsoother={},%
2488     sensitive,%
2489 }[keywords,tex,comments]%
2490
2491 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2492 % tabularray
2493 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2494 \lst@definlanguage[tbularray]{TeX}%
2495 {%
2496     % Control sequences names
2497     moretexcs={%
2498         ,%
2499     },%
2500     % Keywords of class 1 : keywords that contain other characters (since
2501     % of the same class as the ones specified as 'otherkeywords')
2502     morekeywords={%
2503     },%
2504     % Keywords of class 2 : environments names
2505     morekeywords=[2]{%
2506         tblr,%
2507     },%
2508     % Keywords of class 3 : mandatory arguments (not environments) &
2509     % optional arguments which are keys (in key=value)
2510     morekeywords=[3]{%
2511         width,colspec,row,bg,fg,font,column,hlines,X,%
2512     },%
2513     % Keywords of class 4 : values of keys (in key=value)
2514     morekeywords=[4]{%
2515         odd,%

```

```

2516     },%
2517     % Keywords of class 5 : arguments specifications (after ":" in expl3
2518     % syntax)
2519     morekeywords=[5]{%
2520     },%
2521     % Keywords of class 6 : current package name (and possibly derived
2522     % packages)
2523     morekeywords=[6]{%
2524         tabulararray,%
2525     },%
2526     % otherkeywords={},
2527     % alsoletter={},
2528     % alsodigit={},%
2529     % alsoother={},%
2530     sensitive,%
2531 }[keywords,tex,comments]%
2532
2533 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2534 % ninecolors
2535 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2536 \lst@definlanguage[ninecolors]{TeX}%
2537 {%
2538     % Control sequences names
2539     moretexcs={%
2540         NineColors,%
2541     },%
2542     % Keywords of class 1 : keywords that contain other characters (since
2543     % of the same class as the ones specified as 'otherkeywords')
2544     morekeywords={%
2545     },%
2546     % Keywords of class 2 : environments names
2547     morekeywords=[2]{%
2548     },%
2549     % Keywords of class 3 : mandatory arguments (not environments) &
2550     % optional arguments which are keys (in key=value)
2551     morekeywords=[3]{%
2552         gray1,red1,brown1,yellow1,olive1,green1,teal1,cyan1,azure1,%
2553         blue1,violet1,magenta1,purple1,gray2,red2,brown2,yellow2,olive2,%
2554         green2,teal2,cyan2,azure2,blue2,violet2,magenta2,purple2,gray3,%
2555         red3,brown3,yellow3,olive3,green3,teal3,cyan3,azure3,blue3,%
2556         violet3,magenta3,purple3,gray4,red4,brown4,yellow4,olive4,%
2557         green4,teal4,cyan4,azure4,blue4,violet4,magenta4,purple4,gray5,%
2558         red5,brown5,yellow5,olive5,green5,teal5,cyan5,azure5,blue5,%
2559         violet5,magenta5,purple5,gray6,red6,brown6,yellow6,olive6,%
2560         green6,teal6,cyan6,azure6,blue6,violet6,magenta6,purple6,gray7,%
2561         red7,brown7,yellow7,olive7,green7,teal7,cyan7,azure7,blue7,%
2562         violet7,magenta7,purple7,gray8,red8,brown8,yellow8,olive8,%
2563         green8,teal8,cyan8,azure8,blue8,violet8,magenta8,purple8,gray9,%
2564         red9,brown9,yellow9,olive9,green9,teal9,cyan9,azure9,blue9,%
2565         violet9,magenta9,purple9,gray1,red1,brown1,yellow1,olive1,%
2566         green1,teal1,cyan1,azure1,blue1,violet1,magenta1,purple1,gray2,%
2567         red2,brown2,yellow2,olive2,green2,teal2,cyan2,azure2,blue2,%

```



```

2568     violet2,magenta2,purple2,gray3,red3,brown3,yellow3,olive3,%
2569     green3,teal3,cyan3,azure3,blue3,violet3,magenta3,purple3,gray4,%
2570     red4,brown4,yellow4,olive4,green4,teal4,cyan4,azure4,blue4,%
2571     violet4,magenta4,purple4,gray5,red5,brown5,yellow5,olive5,%
2572     green5,teal5,cyan5,azure5,blue5,violet5,magenta5,purple5,gray6,%
2573     red6,brown6,yellow6,olive6,green6,teal6,cyan6,azure6,blue6,%
2574     violet6,magenta6,purple6,gray7,red7,brown7,yellow7,olive7,%
2575     green7,teal7,cyan7,azure7,blue7,violet7,magenta7,purple7,gray8,%
2576     red8,brown8,yellow8,olive8,green8,teal8,cyan8,azure8,blue8,%
2577     violet8,magenta8,purple8,gray9,red9,brown9,yellow9,olive9,%
2578     green9,teal9,cyan9,azure9,blue9,violet9,magenta9,purple9,%
2579     saturation,%
2580 },%
2581 % Keywords of class 4 : values of keys (in key=value)
2582 morekeywords=[4]{%
2583     low,medium,high,%
2584 },%
2585 % Keywords of class 5 : arguments specifications (after ":" in expl3
2586 % syntax)
2587 morekeywords=[5]{%
2588 },%
2589 % Keywords of class 6 : current package name (and possibly derived
2590 % packages)
2591 morekeywords=[6]{%
2592     ninecolors,%
2593 },%
2594 % otherkeywords={},%
2595 alsoletter={123456789},%
2596 % alsodigit={},%
2597 % alsoother={},%
2598 sensitive,%
2599 }[keywords,tex,comments]%
2600
2601 \lst@definlanguage[fontspec]{TeX}{%
2602     % Control sequences names
2603     moretexcs={%
2604         EncodingAccent,EncodingCommand,EncodingComposite,%
2605         EncodingCompositeCommand,EncodingSymbol,IfFontExistsTF,%
2606         IfFontFeatureActiveTF,UndeclareAccent,UndeclareCommand,%
2607         UndeclareComposite,UndeclareSymbol,addfontfeature,addfontfeatures,%
2608         aliasfontfeature,aliasfontfeatureoption,defaultfontfeatures,
2609         fontspec,%
2610         liningnums,newAATfeature,newfontface,newfontfamily,newfontfeature,%
2611         newfontlanguage,newfontscript,newopentypefeature,oldstylenums,%
2612         providefontface,providefontfamily,renewfontface,renewfontfamily,%
2613         setboldmathrm,setfontface,setfontfamily,setmainfont,setmathrm,%
2614         setmathsf,setmathtt,setmonofont,setromanfont,setsansfont,strong,%
2615         strongfontdeclare,strongresetsetmainfont,%
2616     },%
2617     % Keywords of class 1 : keywords that contain other characters (since
2618     % of the same class as the ones specified as 'otherkeywords')
2619     morekeywords={%

```

```

2619     },%
2620     % Keywords of class 2 : environments names
2621     morekeywords=[2]{%
2622     },%
2623     % Keywords of class 3 : mandatory arguments (not environments) &
2624     % optional arguments which are keys (in key=value)
2625     morekeywords=[3]{%
2626         Alternate, Annotation, AutoFakeBold, AutoFakeSlant, BoldFeatures,%
2627         BoldFont, BoldItalicFeatures, BoldItalicFont, BoldSlantedFeatures,%
2628         BoldSlantedFont, BoldSwashFeatures, BoldSwashFont, CJKShape,
2629         ItalicFeatures,%
2630         CharacterVariant, CharacterWidth, Color, Colour, Contextuals,%
2631         Diacritics, Extension, FakeBold, FakeSlant, FakeStretch, Font, FontFace,%
2632         Fractions, HyphenChar, IgnoreFontspecFileItalicFeatures, ItalicFont,%
2633         Kerning, Language, LetterSpace, Letters, Ligatures, LocalForms,%
2634         NFSSFamily, Numbers, OpticalSize, Ornament, Path, PunctuationSpace,%
2635         RawFeature, Scale, ScaleAgain, Script, Size, SizeFeatures,%
2636         SlantedFeatures, SlantedFont, SmallCapsFeatures, SmallCapsFont, Style,%
2637         StylisticAlternates, StylisticSet, SwashFeatures, SwashFont,%
2638         UprightFeatures, UprightFont, Variant, Vertical, VerticalPosition,%
2639         WordSpace, Mapping, Renderer, Traditional, Simplified, JIS1978, JIS1983,%
2640         JIS1990, Expert, NLC,%
2641     },%
2642     % Keywords of class 4 : values of keys (in key=value)
2643     morekeywords=[4]{%
2644         AboveBase, Alternate, AlternateHalf, AlternateMetrics,%
2645         AlternateProportional, Alternates, AlternatesForRotation, Arabic,%
2646         ArabicOff, BelowBase, Common, Contextual, Cursive, Denominator,%
2647         Discretionary, Expert, Full, Half, HalfMetrics, Historic,%
2648         HorizontalKana, Inferior, Inner, Italic, JIS1978, JIS1983, JIS1990,%
2649         KanaAlternates, Kerning, LineFinal, Lining, LiningOff, Lowercase,%
2650         LowercaseOff, MarkToBase, MarkToMark, Monospaced, MonospacedOff, NLC,%
2651         Numerator, Off, OldStyle, OldStyleOff, On, Ordinal, PetiteCaps,%
2652         Proportional, ProportionalMetrics, ProportionalOff, Quarter, Rare,%
2653         Required, Reset, ResetAll, RotatedGlyphs, Ruby, ScientificInferior,%
2654         Simplified, SlashedZero, SlashedZeroOff, SmallCaps, Superior, Swash,%
2655         TeX, Thurd, Titling, Traditional, Unicafe, Uppercase, UppercaseOff,%
2656         UppercasePetiteCaps, UppercaseSmallCaps, VerticalKana, WordFinal,%
2657         WordInitial, ResetAll, c2sc, scmp, sinf, sups, zero, ss06, ss01,%
2658         ss04, -liga, frac, titl, swsh, hist, hlig, MatchUppercase, MatchLowercase,%
2659     },%
2660     % Keywords of class 5 : arguments specifications (after ":" in expl3
2661     % syntax)
2662     morekeywords=[5]{%
2663     },%
2664     % Keywords of class 6 : current package name (and possibly derived
2665     % packages)
2666     morekeywords=[6]{%
2667         fontspec%
2668     },%
2669     % otherkeywords={},%
2670     alsoletter={20614-},%

```

```

2670      % alsodigit={},%
2671      % alsoother={},%
2672      sensitive,%
2673    }[keywords,tex,comments]%
2674
2675 \lst@definlanguage[ProfCollege]{TeX}{%
2676   % Control sequences names
2677   moretexcs={%
2678     Thales,Pourcentage,ResolEquation%
2679   },%
2680   % Keywords of class 1 : keywords that contain other characters (since
2681   % of the same class as the ones specified as 'otherkeywords')
2682   morekeywords={%
2683   },%
2684   % Keywords of class 2 : environments names
2685   morekeywords=[2]{%
2686     Twitter,Scratch,%
2687   },%
2688   % Keywords of class 3 : mandatory arguments (not environments) &
2689   % optional arguments which are keys (in key=value)
2690   morekeywords=[3]{%
2691     Auteur,Logo,Calculer,%
2692   },%
2693   % Keywords of class 4 : values of keys (in key=value)
2694   morekeywords=[4]{%
2695     Place,Drapeau,Avancer,Repeter,Tournerg,FinBlocRepeter,%
2696   },%
2697   % Keywords of class 5 : arguments specifications (after ":" in expl3
2698   % syntax)
2699   morekeywords=[5]{%
2700   },%
2701   % Keywords of class 6 : current package name (and possibly derived
2702   % packages)
2703   morekeywords=[6]{%
2704     ProfCollege,%
2705   },%
2706   % otherkeywords={},
2707   % alsoletter={},
2708   % alsodigit={},%
2709   % alsoother={},%
2710   sensitive,%
2711 }[keywords,tex,comments]%
2712
2713 \lst@definlanguage[tkz-euclide]{TeX}{%
2714   % Control sequences names
2715   moretexcs={%
2716     tkzDefPoint,tkzInterCC,tkzGetPoints,tkzDrawCircles,tkzDrawPolygon,%
2717     tkzDrawPoints,tkzMarkSegments,tkzLabelSegments,tkzLabelPoints,%
2718     tkzLabelPoints,%
2719   },%
2720   % Keywords of class 1 : keywords that contain other characters (since
2721   % of the same class as the ones specified as 'otherkeywords')

```

```

2722     morekeywords={%
2723     },%
2724     % Keywords of class 2 : environments names
2725     morekeywords=[2]{%
2726         tikzpicture,%
2727     },%
2728     % Keywords of class 3 : mandatory arguments (not environments) &
2729     % optional arguments which are keys (in key=value)
2730     morekeywords=[3]{%
2731         mark, swap, above, scale,%
2732     },%
2733     % Keywords of class 4 : values of keys (in key=value)
2734     morekeywords=[4]{%
2735     },%
2736     % Keywords of class 5 : arguments specifications (after ":" in expl3
2737     % syntax)
2738     morekeywords=[5]{%
2739     },%
2740     % Keywords of class 6 : current package name (and possibly derived
2741     % packages)
2742     morekeywords=[6]{%
2743         tkz-euclide },%
2744     % otherkeywords={},
2745     % alsoletter={},
2746     % alsodigit={},%
2747     % alsoother={},%
2748     sensitive,%
2749 }[keywords, tex, comments]%
2750
2751 \lst@definlanguage[tkz-fct]{TeX}{%
2752     % Control sequences names
2753     moretexcs={%
2754         tkzInit, tkzDrawX, tkzDrawY, tkzFct, tkzDefPoint, tkzDrawPoint,%
2755         tkzPointShowCoord, tkzDefPoint, tkzDrawPoint, tkzPointShowCoord,%
2756         tkzRep,%
2757     },%
2758     % Keywords of class 1 : keywords that contain other characters (since
2759     % of the same class as the ones specified as 'otherkeywords')
2760     morekeywords={%
2761     },%
2762     % Keywords of class 2 : environments names
2763     morekeywords=[2]{%
2764         tikzpicture,%
2765     },%
2766     % Keywords of class 3 : mandatory arguments (not environments) &
2767     % optional arguments which are keys (in key=value)
2768     morekeywords=[3]{%
2769         xmin, xmax, ymin, ymax, samples, domain, xlabel, ylabel, xscale, yscale%
2770     },%
2771     % Keywords of class 4 : values of keys (in key=value)
2772     morekeywords=[4]{%
2773     },%

```

```

2774 % Keywords of class 5 : arguments specifications (after ":" in expl3
2775 % syntax)
2776 morekeywords=[5]{%
2777 },%
2778 % Keywords of class 6 : current package name (and possibly derived
2779 % packages)
2800 morekeywords=[6]{%
2801 tkz-fct },%
2802 % otherkeywords={},%
2803 % alsoletter={},%
2804 % alsodigit={},%
2805 % alsoother={},%
2806 sensitive,%
2807 }[keywords,tex,comments]%
2808
2809 \lst@definlanguage[tkz-tab]{TeX}{%
2810 % Control sequences names
2811 moretexcs={%
2812 tkzTabInit,tkzTabLine,tkzTabVar,%
2813 },%
2814 % Keywords of class 1 : keywords that contain other characters (since
2815 % of the same class as the ones specified as 'otherkeywords')
2816 morekeywords={%
2817 },%
2818 % Keywords of class 2 : environments names
2819 morekeywords=[2]{%
2820 tikzpicture,%
2821 },%
2822 % Keywords of class 3 : mandatory arguments (not environments) &
2823 % optional arguments which are keys (in key=value)
2824 morekeywords=[3]{%
2825 lgt,espcl,t,d,z,+,-,-D+/,+/,+/,+D/,scale,%
2826 },%
2827 % Keywords of class 4 : values of keys (in key=value)
2828 morekeywords=[4]{%
2829 },%
2830 % Keywords of class 5 : arguments specifications (after ":" in expl3
2831 % syntax)
2832 morekeywords=[5]{%
2833 },%
2834 % Keywords of class 6 : current package name (and possibly derived
2835 % packages)
2836 morekeywords=[6]{%
2837 tkz-tab },%
2838 % otherkeywords={},%
2839 alsoletter={+/-},%
2840 % alsodigit={},%
2841 % alsoother={},%
2842 sensitive,%
2843 }[keywords,tex,comments]%
2844
2845 \lst@definlanguage[mecaso]{TeX}{%

```

```

2826 % Control sequences names
2827 moretexcs={%
2828     KineticT,%
2829 },%
2830 % Keywords of class 1 : keywords that contain other characters (since
2831 % of the same class as the ones specified as 'otherkeywords')
2832 morekeywords={%
2833 },%
2834 % Keywords of class 2 : environments names
2835 morekeywords=[2]{%
2836 },%
2837 % Keywords of class 3 : mandatory arguments (not environments) &
2838 % optional arguments which are keys (in key=value)
2839 morekeywords=[3]{%
2840 },%
2841 % Keywords of class 4 : values of keys (in key=value)
2842 morekeywords=[4]{%
2843 },%
2844 % Keywords of class 5 : arguments specifications (after ":" in expl3
2845 % syntax)
2846 morekeywords=[5]{%
2847 },%
2848 % Keywords of class 6 : current package name (and possibly derived
2849 % packages)
2850 morekeywords=[6]{%
2851     mecaso },%
2852 % otherkeywords={},
2853 % alsoletter={},
2854 % alsodigit={},%
2855 % alsoother={},%
2856 sensitive,%
2857 }[keywords,tex,comments]%
2858
2859 \lst@definlanguage[hanzibox]{TeX}{%
2860 % Control sequences names
2861 moretexcs={%
2862     hanzibox*,hanziboxset,%
2863 },%
2864 % Keywords of class 1 : keywords that contain other characters (since
2865 % of the same class as the ones specified as 'otherkeywords')
2866 morekeywords={%
2867 },%
2868 % Keywords of class 2 : environments names
2869 morekeywords=[2]{%
2870 },%
2871 % Keywords of class 3 : mandatory arguments (not environments) &
2872 % optional arguments which are keys (in key=value)
2873 morekeywords=[3]{%
2874     frametype,pinyininline,%
2875 },%
2876 % Keywords of class 4 : values of keys (in key=value)
2877 morekeywords=[4]{%

```

```
2878         none,true,%
2879     },%
2880     % Keywords of class 5 : arguments specifications (after ":" in expl3
2881     % syntax)
2882     morekeywords=[5]{%
2883     },%
2884     % Keywords of class 6 : current package name (and possibly derived
2885     % packages)
2886     morekeywords=[6]{%
2887         hanzibox },%
2888     % otherkeywords={},%
2889     % alsoletter={},%
2890     % alsodigit={},%
2891     alsoother={*},%
2892     sensitive,%
2893 }[keywords, tex, comments]%
2894
2895 \lst@definlanguage[tikz-bagua]{TeX}{%
2896     % Control sequences names
2897     moretexcs={%
2898         Bagua*,%
2899     },%
2900     % Keywords of class 1 : keywords that contain other characters (since
2901     % of the same class as the ones specified as 'otherkeywords')
2902     morekeywords={%
2903     },%
2904     % Keywords of class 2 : environments names
2905     morekeywords=[2]{%
2906     },%
2907     % Keywords of class 3 : mandatory arguments (not environments) &
2908     % optional arguments which are keys (in key=value)
2909     morekeywords=[3]{%
2910     },%
2911     % Keywords of class 4 : values of keys (in key=value)
2912     morekeywords=[4]{%
2913     },%
2914     % Keywords of class 5 : arguments specifications (after ":" in expl3
2915     % syntax)
2916     morekeywords=[5]{%
2917     },%
2918     % Keywords of class 6 : current package name (and possibly derived
2919     % packages)
2920     morekeywords=[6]{%
2921         tikz-bagua },%
2922     % otherkeywords={},%
2923     % alsoletter={},%
2924     % alsodigit={},%
2925     alsoother={*},%
2926     sensitive,%
2927 }[keywords, tex, comments]%
2928
2929 \lst@definlanguage[bodeplot]{TeX}{%
```



```

2930 % Control sequences names
2931 moretexcs={%
2932     addBodeZPKPlots },%
2933 % Keywords of class 1 : keywords that contain other characters (since
2934 % of the same class as the ones specified as 'otherkeywords')
2935 morekeywords={%
2936 },%
2937 % Keywords of class 2 : environments names
2938 morekeywords=[2]{%
2939     BodePlot,%
2940 },%
2941 % Keywords of class 3 : mandatory arguments (not environments) &
2942 % optional arguments which are keys (in key=value)
2943 morekeywords=[3]{%
2944     ylabel,ytick,distance,height,width,magnitude,z,p,k,%
2945 },%
2946 % Keywords of class 4 : values of keys (in key=value)
2947 morekeywords=[4]{%
2948     true,black,thick,linear,red,dashed,thick,asymptotic,blue,%
2949     dotted,thick,%
2950 },%
2951 % Keywords of class 5 : arguments specifications (after ":" in expl3
2952 % syntax)
2953 morekeywords=[5]{%
2954 },%
2955 % Keywords of class 6 : current package name (and possibly derived
2956 % packages)
2957 morekeywords=[6]{%
2958     bodeplot },%
2959 % otherkeywords={},%
2960 alsoletter={/},%
2961 % alsodigit={},%
2962 % alsoother={},%
2963 sensitive,%
2964 }[keywords,tex,comments]%
2965
2966 \lst@definlanguage[formal-grammar]{TeX}{%
2967 % Control sequences names
2968 moretexcs={%
2969     highlight,firstcase,gralt,nonterm },%
2970 % Keywords of class 1 : keywords that contain other characters (since
2971 % of the same class as the ones specified as 'otherkeywords')
2972 morekeywords={%
2973 },%
2974 % Keywords of class 2 : environments names
2975 morekeywords=[2]{%
2976     grammar },%
2977 % Keywords of class 3 : mandatory arguments (not environments) &
2978 % optional arguments which are keys (in key=value)
2979 morekeywords=[3]{%
2980 },%
2981 % Keywords of class 4 : values of keys (in key=value)

```



```
2982     morekeywords=[4]{%
2983     },%
2984     % Keywords of class 5 : arguments specifications (after ":" in expl3
2985     % syntax)
2986     morekeywords=[5]{%
2987     },%
2988     % Keywords of class 6 : current package name (and possibly derived
2989     % packages)
2990     morekeywords=[6]{%
2991     formal-grammar },%
2992     % otherkeywords={},
2993     % alsoletter={},
2994     % alsodigit={},%
2995     % alsoother={},%
2996     sensitive,%
2997 }[keywords, tex, comments]%
2998
2999 \lst@definlanguage[numerica-plus]{TeX}{%
3000     % Control sequences names
3001     moretexcs={%
3002     nmcRecur,%
3003     },%
3004     % Keywords of class 1 : keywords that contain other characters (since
3005     % of the same class as the ones specified as 'otherkeywords')
3006     morekeywords={%
3007     },%
3008     % Keywords of class 2 : environments names
3009     morekeywords=[2]{%
3010     },%
3011     % Keywords of class 3 : mandatory arguments (not environments) &
3012     % optional arguments which are keys (in key=value)
3013     morekeywords=[3]{%
3014     do, see1, f_,%
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     numerica-plus },%
3027     % otherkeywords={},%
3028     alsoletter={_1},%
3029     % alsodigit={},%
3030     % alsoother={},%
3031     sensitive,%
3032 }[keywords, tex, comments]%
3033
```

```

3034 \lst@definlanguage[pascaltriangle]{TeX}{%
3035   % Control sequences names
3036   moretexcs={%
3037     pascal,%
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   },%
3050   % Keywords of class 4 : values of keys (in key=value)
3051   morekeywords=[4]{%
3052   },%
3053   % Keywords of class 5 : arguments specifications (after ":" in expl3
3054   % syntax)
3055   morekeywords=[5]{%
3056   },%
3057   % Keywords of class 6 : current package name (and possibly derived
3058   % packages)
3059   morekeywords=[6]{%
3060     pascaltriangle },%
3061   % otherkeywords={},
3062   % alsoletter={},
3063   % alsodigit={},%
3064   % alsoother={},%
3065   sensitive,%
3066 }[keywords,tex,comments]%
3067
3068 \lst@definlanguage[pgf-interference]{TeX}{%
3069   % Control sequences names
3070   moretexcs={%
3071     pgfinterferencepattern,%
3072   },%
3073   % Keywords of class 1 : keywords that contain other characters
3074   % (since of the same class as the ones specified as 'otherkeywords')
3075   morekeywords={%
3076   },%
3077   % Keywords of class 2 : environments names
3078   morekeywords=[2]{%
3079   },%
3080   % Keywords of class 3 : mandatory arguments (not environments) &
3081   % optional arguments which are keys (in key=value)
3082   morekeywords=[3]{%
3083     slits,wavelength,slit-distance,intensity,ruler,scale,%
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         pgf-interference%
3096     },%
3097     % otherkeywords={},%
3098     alsoletter={-},%
3099     % alsodigit={},%
3100     % alsoother={},%
3101     sensitive,%
3102 }[keywords, tex, comments]%
3103
3104 \lst@definlanguage[clistmap]{TeX}{%
3105     % Control sequences names
3106     moretexcs={%
3107         ExplSyntaxOn, ExplSyntaxOff, clistmap,%
3108     },%
3109     % Keywords of class 1 : keywords that contain other characters (since
3110     % of the same class as the ones specified as 'otherkeywords')
3111     morekeywords={%
3112     },%
3113     % Keywords of class 2 : environments names
3114     morekeywords=[2]{%
3115     },%
3116     % Keywords of class 3 : mandatory arguments (not environments) &
3117     % optional arguments which are keys (in key=value)
3118     morekeywords=[3]{%
3119         first_math, serial_rest_math_and,%
3120     },%
3121     % Keywords of class 4 : values of keys (in key=value)
3122     morekeywords=[4]{%
3123     },%
3124     % Keywords of class 5 : arguments specifications (after ":" in expl3
3125     % syntax)
3126     morekeywords=[5]{%
3127         nnn, N,%
3128     },%
3129     % Keywords of class 6 : current package name (and possibly derived
3130     % packages)
3131     morekeywords=[6]{%
3132         clistmap },%
3133     % otherkeywords={},%
3134     alsoletter={_},%
3135     % alsodigit={},%
3136     % alsoother={},%
3137     sensitive,%

```

```

3138 }[keywords,tex,comments]%
3139
3140 \lst@definlanguage[hexboard]{TeX}{%
3141   % Control sequences names
3142   moretexcs={%
3143     hexmove,%
3144   },%
3145   % Keywords of class 1 : keywords that contain other characters (since
3146   % of the same class as the ones specified as 'otherkeywords')
3147   morekeywords={%
3148   },%
3149   % Keywords of class 2 : environments names
3150   morekeywords=[2]{%
3151     hexgamelabels,%
3152   },%
3153   % Keywords of class 3 : mandatory arguments (not environments) &
3154   % optional arguments which are keys (in key=value)
3155   morekeywords=[3]{%
3156   },%
3157   % Keywords of class 4 : values of keys (in key=value)
3158   morekeywords=[4]{%
3159   },%
3160   % Keywords of class 5 : arguments specifications (after ":" in expl3
3161   % syntax)
3162   morekeywords=[5]{%
3163   },%
3164   % Keywords of class 6 : current package name (and possibly derived
3165   % packages)
3166   morekeywords=[6]{%
3167     hexboard },%
3168   % otherkeywords={},
3169   % alsoletter={},
3170   % alsodigit={},%
3171   % alsoother={},%
3172   sensitive,%
3173 }[keywords,tex,comments]%
3174
3175 \lst@definlanguage[robotarm]{TeX}{%
3176   % Control sequences names
3177   moretexcs={%
3178     robotArm,%
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     tikzpicture },%
3187   % Keywords of class 3 : mandatory arguments (not environments) &
3188   % optional arguments which are keys (in key=value)
3189   morekeywords=[3]{%

```

```

3190         config,q1,q2,q3,%
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         robotarm },%
3203     % otherkeywords={},%
3204     alsoletter={123},%
3205     % alsodigit={},%
3206     % alsoother={},%
3207     sensitive,%
3208 }[keywords, tex, comments]%
3209
3210 \lst@definlanguage[amsfonts]{TeX}{%
3211     % Control sequences names
3212     moretexcs={%
3213         mathbb,mathfrak,angle,Box,dasharrow,dashleftarrow,dashrightarrow,%
3214         Diamond,hbar,Join,leadsto,lhd,llcorner,lozenge,lrcorner,mho,%
3215         rhd,rightleftharpoons,rightsquigarrow,sqsubset,sqsupset,square,%
3216         trianglelefteq,trianglerighteq,ulcorner,unlhd,unrhd,urcorner,%
3217         vartriangleleft,vartriangleright,widehat{arg},widetilde{arg},yen,%
3218         checkmark,circledR,maltese,%
3219     },%
3220     % Keywords of class 1 : keywords that contain other characters (since
3221     % of the same class as the ones specified as 'otherkeywords')
3222     morekeywords={%
3223     },%
3224     % Keywords of class 2 : environments names
3225     morekeywords=[2]{%
3226     },%
3227     % Keywords of class 3 : mandatory arguments (not environments) &
3228     % optional arguments which are keys (in key=value)
3229     morekeywords=[3]{%
3230     },%
3231     % Keywords of class 4 : values of keys (in key=value)
3232     morekeywords=[4]{%
3233     },%
3234     % Keywords of class 5 : arguments specifications (after ":" in expl3
3235     % syntax)
3236     morekeywords=[5]{%
3237     },%
3238     % Keywords of class 6 : current package name (and possibly derived
3239     % packages)
3240     morekeywords=[6]{%
3241         amsfonts },%

```

```

3242 % otherkeywords={},
3243 % alsoletter={},
3244 % alsodigit={},%
3245 % alsoother={},%
3246 sensitive,%
3247 }[keywords,tex,comments]%
3248
3249 \lst@definelanguage[biolinum]{TeX}{%
3250 % Control sequences names
3251 moretexcs={%
3252 biolinum,biolinumOsF,biolinumLF,biolinumkey,sufigures,textsu,%
3253 textsuperior,oldstylenums,liningnums,oldstylenumsf,liningnumsf,%
3254 tabularnums,proportionalnums,tabularnumsf,proportionalnumsf,%
3255 DeclareTextGlyphY,biolinumGlyph,biolinumKeyGlyph,LKey,LKeyPad,%
3256 LKeyF,LKeyAltF,LKeyStrgAltF,LKeyCtrlAltF,LKeyStrgX,LKeyCtrlX,%
3257 LKeyShiftX,LKeyAltX,LKeyAltGrX,LKeyShiftStrgX,LKeyShiftCtrlX,%
3258 LKeyShiftAltX,LKeyShiftAltGrX,LKeyStrgAltX,LKeyCtrlAltX,%
3259 LKeyStrgAltEnt,LKeyCtrlAltEnt,LKeyReset,LKeyTux,LKeyWin,LKeyMenu,%
3260 LKeyStrg,LKeyCtrl,LKeyAlt,LKeyAltGr,LKeyShift,LKeyTab,LKeyEnter,%
3261 LKeyCapsLock,LKeyPos,LKeyEntf,LKeyEinf,LKeyLeer,LKeyEsc,LKeyEnde,%
3262 LKeyCommand,LKeyOptionKey,LKeyBack,LKeyUp,LKeyDown,LKeyLeft,%
3263 LKeyRight,LKeyPgUp,LKeyPgDown,LKeyAt,LKeyFn,LKeyHome,LKeyDel,%
3264 LKeySpace,LKeyScreenUp,LKeyScreenDown,LKeyIns,LKeyEnd,LKeyGNU,%
3265 LKeyPageUp,LKeyPageDown,LMouseEmpty,LMouseN,LMouseL,LMouseM,%
3266 LMouseR,LMouseLR,LMouseIIEEmpty,LMouseIIN,LMouseIIL,LMouseIIR,%
3267 LMouseIILR,%
3268 },%
3269 % Keywords of class 1 : keywords that contain other characters (since
3270 % of the same class as the ones specified as 'otherkeywords')
3271 morekeywords={%
3272 },%
3273 % Keywords of class 2 : environments names
3274 morekeywords=[2]{%
3275 },%
3276 % Keywords of class 3 : mandatory arguments (not environments) &
3277 % optional arguments which are keys (in key=value)
3278 morekeywords=[3]{%
3279 sfdefault,type1,nofontspec,lining,nf,lf,oldstyle,osf,sflining,%
3280 sflf,sfoldstyle,sfosf,osfss,tabular,t,p,sftabular,sft,%
3281 sfproportional,sfp,scaled,scale,defaultfeatures,space,uni0020,%
3282 exclam,uni0021,quotedbl,uni0022,numbersign,uni0023,dollar,%
3283 uni0024,percent,uni0025,ampersand,uni0026,quotesingle,uni0027,%
3284 parenleft,uni0028,parenright,uni0029,asterisk,uni002A,plus,%
3285 uni002B,comma,uni002C,hyphen,uni002D,period,uni002E,slash,%
3286 uni002F,zero,uni0030,one,uni0031,two,uni0032,three,uni0033,%
3287 four,uni0034,five,uni0035,six,uni0036,seven,uni0037,eight,%
3288 uni0038,nine,uni0039,colon,uni003A,semicolon,uni003B,less,%
3289 uni003C,equal,uni003D,greater,uni003E,question,uni003F,at,%
3290 bracketleft,uni005B,backslash,uni005C,bracketright,uni005D,%
3291 asciicircum,uni005E,underscore,uni005F,grave,uni0060,uni007A,%
3292 braceleft,uni007B,bar,uni007C,braceright,uni007D,asciitilde,%
3293 uni007E,exclamdown,uni00A1,cent,uni00A2,sterling,uni00A3,%

```

3294 currency, uni00A4, yen, uni00A5, brokenbar, uni00A6, section, uni00A7, %
 3295 dieresis, uni00A8, guillemotleft, uni00AB, uni00AD, degree, uni00B0, %
 3296 plusminus, uni00B1, acute, uni00B4, uni00B5, periodcentered, uni00B7, %
 3297 cedilla, uni00B8, guillemotright, uni00BB, Agrave, uni00C0, Aacute, %
 3298 uni00C1, Acircumflex, uni00C2, Atilde, uni00C3, Adieresis, uni00C4, %
 3299 Aring, uni00C5, Ccedilla, uni00C7, Egrave, uni00C8, Eacute, uni00C9, %
 3300 Ecircumflex, uni00CA, Edieresis, uni00CB, Igrave, uni00CC, Iacute, %
 3301 uni00CD, Icircumflex, uni00CE, Idieresis, uni00CF, Eth, uni00D0, Ntilde, %
 3302 uni00D1, Ograve, uni00D2, Oacute, uni00D3, Ocircumflex, uni00D4, Otilde, %
 3303 uni00D5, Odieresis, uni00D6, multiply, uni00D7, Oslash, uni00D8, Ugrave, %
 3304 uni00D9, Uacute, uni00DA, Ucircumflex, uni00DB, Udieresis, uni00DC, %
 3305 Yacute, uni00DD, Thorn, uni00DE, germandbls, uni00DF, agrave, uni00E0, %
 3306 aacute, uni00E1, acircumflex, uni00E2, atilde, uni00E3, adieresis, %
 3307 uni00E4, aring, uni00E5, ae, uni00E6, ccedilla, uni00E7, egrave, %
 3308 uni00E8, eacute, uni00E9, ecircumflex, uni00EA, edieresis, uni00EB, %
 3309 igrave, uni00EC, iacute, uni00ED, icircumflex, uni00EE, idieresis, %
 3310 uni00EF, eth, uni00F0, ntilde, uni00F1, ograve, uni00F2, oacute, %
 3311 uni00F3, ocircumflex, uni00F4, otilde, uni00F5, odieresis, uni00F6, %
 3312 divide, uni00F7, oslash, uni00F8, ugrave, uni00F9, uacute, uni00FA, %
 3313 ucircumflex, uni00FB, udieresis, uni00FC, yacute, uni00FD, thorn, %
 3314 uni00FE, ydieresis, uni00FF, Amacron, uni0100, amacron, uni0101, Abreve, %
 3315 uni0102, abreve, uni0103, Aogonek, uni0104, aogonek, uni0105, Cacute, %
 3316 uni0106, cacute, uni0107, Ccircumflex, uni0108, ccircumflex, uni0109, %
 3317 Cdotaccent, uni010A, cdotaccent, uni010B, Ccaron, uni010C, ccaron, %
 3318 uni010D, Dcaron, uni010E, dcaron, uni010F, Dcroat, uni0110, dcroat, %
 3319 uni0111, Emacron, uni0112, emacron, uni0113, Ebreve, uni0114, ebreve, %
 3320 uni0115, Edotaccent, uni0116, edotaccent, uni0117, Eogonek, uni0118, %
 3321 eogonek, uni0119, Ecaron, uni011A, ecaron, uni011B, Gcircumflex, %
 3322 uni011C, gcircumflex, uni011D, Gbreve, uni011E, gbreve, uni011F, %
 3323 Gdotaccent, uni0120, gdotaccent, uni0121, Gcommaaccent, uni0122, %
 3324 gcommaaccent, uni0123, Hcircumflex, uni0124, hcircumflex, uni0125, Hbar, %
 3325 uni0126, hbar, uni0127, Itilde, uni0128, itilde, uni0129, Imacron, %
 3326 uni012A, imacron, uni012B, Ibreve, uni012C, ibreve, uni012D, Iogonek, %
 3327 uni012E, iogonek, uni012F, Idotaccent, uni0130, dotlessi, uni0131, IJ, %
 3328 uni0132, ij, uni0133, Jcircumflex, uni0134, jcircumflex, uni0135, %
 3329 Kcommaaccent, uni0136, kcommaaccent, uni0137, kgreenlandic, uni0138, %
 3330 Lacute, uni0139, lacute, uni013A, Lcommaaccent, uni013B, lcommaaccent, %
 3331 uni013C, Lcaron, uni013D, lcaron, uni013E, Ldot, uni013F, ldot, uni0140, %
 3332 Lslash, uni0141, lslash, uni0142, Nacute, uni0143, nacute, uni0144, %
 3333 Ncommaaccent, uni0145, ncommaaccent, uni0146, Ncaron, uni0147, ncaron, %
 3334 uni0148, napostrophe, uni0149, Omacron, uni014C, omacron, uni014D, %
 3335 Obreve, uni014E, obreve, uni014F, Ohungarumlaut, uni0150, ohungarumlaut, %
 3336 uni0151, Racute, uni0154, racute, uni0155, Rcommaaccent, uni0156, %
 3337 rcommaaccent, uni0157, Rcaron, uni0158, rcaron, uni0159, Sacute, %
 3338 uni015A, sacute, uni015B, Scircumflex, uni015C, scircumflex, uni015D, %
 3339 Scedilla, uni015E, scedilla, uni015F, Scaron, uni0160, scaron, uni0161, %
 3340 Tcedilla, uni0162, tcedilla, uni0163, Tcaron, uni0164, tcaron, uni0165, %
 3341 Tbar, uni0166, tbar, uni0167, Utilde, uni0168, utilde, uni0169, Umacron, %
 3342 uni016A, umacron, uni016B, Ubreve, uni016C, ubreve, uni016D, Uring, %
 3343 uni016E, uring, uni016F, Uhungarumlaut, uni0170, uhungarumlaut, uni0171, %
 3344 Uogonek, uni0172, uogonek, uni0173, Wcircumflex, uni0174, wcircumflex, %
 3345 uni0175, Ycircumflex, uni0176, ycircumflex, uni0177, Ydieresis, uni0178, %

3346 Zacute, uni0179, zacute, uni017A, Zdotaccent, uni017B, zdotaccent, %
 3347 uni017C, Zcaron, uni017D, zcaron, uni017E, h. superior, uni02B0, %
 3348 hhook. superior, uni02B1, j. superior, uni02B2, r. superior, uni02B3, %
 3349 rturned. superior, uni02B4, rhocturned. superior, uni02B5, %
 3350 Rsmallinverted. superior, uni02B6, w. superior, uni02B7, y. superior, %
 3351 uni02B8, uni02B9, uni02BA, uni02BB, afii57929, uni02BC, afii64937, %
 3352 uni02BD, uni02BE, uni02BF, uni02C0, uni02C1, uni02C2, uni02C3, uni02C4, %
 3353 uni02C5, circumflex, uni02C6, caron, uni02C7, uni02C8, uni02C9, uni02CA, %
 3354 uni02CB, uni02CC, uni02CD, uni02CE, uni02CF, uni02D0, uni02D1, uni02D2, %
 3355 uni02D3, uni02D4, uni02D5, uni02D6, uni02D7, breve, uni02D8, dotaccent, %
 3356 uni02D9, ring, uni02DA, ogonek, uni02DB, tilde, uni02DC, hungarumlaut, %
 3357 uni02DD, uni02DE, uni02DF, gammalatin. superior, uni02E0, l. superior, %
 3358 uni02E1, s. superior, uni02E2, x. superior, uni02E3, %
 3359 glottalstopreversed. superior, uni02E4, uni02EC, uni02ED, uni02EE, %
 3360 gravecomb, uni0300, acutecomb, uni0301, uni0302, tildecomb, uni0303, %
 3361 uni0304, uni0305, uni0306, uni0307, uni0308, hookabovcomb, uni0309, %
 3362 uni030A, uni030B, uni030C, uni030D, uni030E, uni030F, uni0310, uni0311, %
 3363 uni0312, uni0313, uni0314, uni0315, uni0316, uni0317, uni0318, uni0319, %
 3364 uni031A, uni031B, uni031C, uni031D, uni031E, uni031F, uni0320, uni0321, %
 3365 uni0322, dotbelowcomb, uni0323, uni0324, uni0325, uni0326, uni0327, %
 3366 uni0328, uni0329, uni032A, uni032B, uni032C, uni032D, uni032E, uni032F, %
 3367 uni0330, uni0331, uni0338, uni0342, uni0343, uni0351, uni0357, uni0358, %
 3368 uni0359, uni035A, uni035B, uni035C, uni035D, uni035E, uni035F, uni0360, %
 3369 uni0361, uni0362, uni0363, uni0374, uni0375, afii57799, uni05B0, %
 3370 afii57801, uni05B1, afii57800, uni05B2, afii57802, uni05B3, afii57793, %
 3371 uni05B4, afii57794, uni05B5, afii57795, uni05B6, afii57798, uni05B7, %
 3372 afii57797, uni05B8, afii57806, uni05B9, uni05BA, afii57796, uni05BB, %
 3373 afii57807, uni05BC, afii57839, uni05BD, afii57645, uni05BE, afii57841, %
 3374 uni05BF, afii57842, uni05C0, afii57804, uni05C1, afii57803, uni05C2, %
 3375 afii57658, uni05C3, uni05C6, afii57664, uni05D0, afii57665, uni05D1, %
 3376 afii57666, uni05D2, afii57667, uni05D3, afii57668, uni05D4, afii57669, %
 3377 uni05D5, afii57670, uni05D6, afii57671, uni05D7, afii57672, uni05D8, %
 3378 afii57673, uni05D9, afii57674, uni05DA, afii57675, uni05DB, afii57676, %
 3379 uni05DC, afii57677, uni05DD, afii57678, uni05DE, afii57679, uni05DF, %
 3380 afii57680, uni05E0, afii57681, uni05E1, afii57682, uni05E2, afii57683, %
 3381 uni05E3, afii57684, uni05E4, afii57685, uni05E5, afii57686, uni05E6, %
 3382 afii57687, uni05E7, afii57688, uni05E8, afii57689, uni05E9, afii57690, %
 3383 uni05EA, afii57716, uni05F0, afii57717, uni05F1, afii57718, uni05F2, %
 3384 arrowleft, uni2190, arrowup, uni2191, arrowright, uni2192, arrowdown, %
 3385 uni2193, arrowboth, uni2194, arrowupdn, uni2195, uni2196, uni2197, %
 3386 uni2198, uni2199, uni219A, uni219B, uni21A5, uni21A7, uni21BC, uni21BD, %
 3387 uni21C0, uni21C1, arrowdblleft, uni21D0, arrowdblup, uni21D1, %
 3388 arrowdblright, uni21D2, arrowdbldown, uni21D3, arrowdblboth, uni21D4, %
 3389 uni21D5, Nwarrow, uni21D6, Nearrow, uni21D7, Searrow, uni21D8, Swarrow, %
 3390 uni21D9, uni2318, uni2325, uni2326, uni2327, uni232B, uni237D, uni2380, %
 3391 uni2423, filledbox, uni25A0, H2073, uni25A1, triagup, uni25B2, uni25B3, %
 3392 uni25B6, uni25B7, triagdn, uni25BC, uni25BD, uni25C0, uni25C1, uni25C6, %
 3393 uni25C7, uni25C9, lozenge, uni25CA, circle, uni25CB, uni25CE, H18533, %
 3394 uni25CF, uni25D0, uni25D1, uni25D2, uni25D3, uni25D4, uni25D5, uni25D6, %
 3395 uni25D7, openbullet, uni25E6, uni2605, uni2619, uni261B, uni261E, %
 3396 uni2627, uni262F, uni2639, uni263A, uni263B, uni263C, uni263D, uni263E, %
 3397 uni263F, female, uni2640, uni2641, male, uni2642, uni2643, uni2644, %


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3398 uni2645,uni2646,uni2647,uni2648,uni2649,uni264A,uni264B,uni264C,%
3399 uni264D,uni264E,uni264F,uni2650,uni2651,uni2652,uni2653,uni2660,%
3400 uni2663,uni2665,uni2666,uni2669,musicalnote,uni266A,%
3401 musicalnotedbl,uni266B,uni266C,uni2695,uni2698,uni26A2,uni26A3,%
3402 uni26A4,uni26A5,uni26AD,uni2767,uni2776,uni2777,uni2778,uni2779,%
3403 uni277A,uni277B,uni277C,uni277D,uni277E,uni277F,T_u_x,uniE000,%
3404 uniE104,uniE128,uniE129,uniE12A,uniE130,uniE131,uniE132,uniE133,%
3405 uniE134,uniE135,uniE138,uniE139,uniE13A,uniE13C,uniE13D,uniE168,%
3406 B_a_c_k,uniE16E,S_t_r_g,uniE170,A_l_t,uniE171,A_l_t_G_r,uniE172,%
3407 C_t_r_l,uniE173,S_h_i_f_t,uniE174,T_a_b,uniE175,E_n_t_e_r,%
3408 uniE176,C_a_p_s_l_o_c_k,uniE177,F_1,uniE178,F_2,uniE179,F_3,%
3409 uniE17A,F_4,uniE17B,F_5,uniE17C,F_6,uniE17D,F_7,uniE17E,F_8,%
3410 uniE17F,F_9,uniE180,F_1_0,uniE181,F_1_1,uniE182,F_1_2,uniE183,%
3411 F_1_3,uniE184,F_1_4,uniE185,F_1_5,uniE186,F_1_6,uniE187,uniE188,%
3412 H_o_m_e,uniE189,D_e_l,uniE18A,I_n_s,uniE18B,uniE18C,E_n_d,%
3413 uniE18E,G_N_U,uniE190,P_o_s_1,uniE191,E_n_t_f,uniE192,E_i_n_f,%
3414 uniE193,L_e_e_r,uniE194,E_s_c,uniE195,E_n_d_e,uniE196,uniE198,%
3415 uniE199,uniE19A,uniE19B,uniE1A0,uniE1A1,uniE1A2,uniE1A3,uniE1A4,%
3416 uniE1A5,uniE1A6,uniE1A7,uniE1A8,uniE1A9,uniE1AA,uniE1AB,uniE1AC,%
3417 uniE1AD,uniE1AE,uniE1B0,uniE1B1,grave.cap,uniE358,acute.cap,%
3418 uniE359,circumflex.cap,uniE35A,caron.cap,uniE35B,breve.cap,%
3419 uniE35C,hungarumlaut.cap,uniE35D,space_uni030F.cap,uniE35E,%
3420 breveinvertedcmb.cap,uniE35F,breve.cyr,uniE360,breve.cyr,%
3421 uniE361,dieresis.cap,uniE362,hookabovetcomb.cap,uniE363,uniFFFD,%
3422 },%
3423 % Keywords of class 4 : values of keys (in key=value)
3424 morekeywords=[4]{%
3425 },%
3426 % Keywords of class 5 : arguments specifications (after ":" in expl3
3427 % syntax)
3428 morekeywords=[5]{%
3429 },%
3430 % Keywords of class 6 : current package name (and possibly derived
3431 % packages)
3432 morekeywords=[6]{%
3433 biolinum },%
3434 % otherkeywords={},
3435 % alsoletter={},
3436 % alsodigit={},
3437 % alsoother={},
3438 sensitive,%
3439 }[keywords,tex,comments]%
3440
3441 \lst@definlanguage[biblatex]{TeX}{%
3442 % Control sequences names
3443 moretexcs={%
3444 cite,Cite,parencite,Parencite,footcite,footcitetext,smartcite,%
3445 Smartcite,textcite,Textcite,supercite,cites,Cites,parencites,%
3446 Parencites,footcitesfootcitetexts,textcites,Textcites,supercites,%
3447 autocite,Autocite,autocite*,Autocite*,autocites,Autocites,%
3448 citeauthor,Citeauthor,citetitle,citetitle*,citeyear,citeurl,%
3449 parentext,brackettext,nocite,fullcite,footfullcite,volcite,%

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```

3450      Volcite,pvolcite,Pvolcite,fvolcite,ftvolcite,tvolcite,Tvolcite,%
3451      avolcite,Avolcite,notecite,Notecite,pnotecite,Pnotecite,fnotecite,%
3452      citename,citelist,citefield,printbibliography,bibliography,%
3453      citedate,ExecuteBibliographyOptions,defbibnote,psq,psqq,%
3454      addbibresource,AtNextCite,DeclareNameAlias,%
3455      },%
3456      % Keywords of class 1 : keywords that contain other characters (since
3457      % of the same class as the ones specified as 'otherkeywords')
3458      morekeywords={%
3459      },%
3460      % Keywords of class 2 : environments names
3461      morekeywords=[2]{%
3462      },%
3463      % Keywords of class 3 : mandatory arguments (not environments) &
3464      % optional arguments which are keys (in key=value)
3465      morekeywords=[3]{%
3466          abstract,addendum,afterword,annotation,annotator,author,%
3467          authortype,bookauthor,bookpagination,booksubtitle,booktitle,%
3468          booktitleaddon,chapter,commentator,date,doi,edition,editor,%
3469          editora,editorb,editorc,editortype,editoratype,editorbtype,%
3470          editorctype,eid,eprint,eprintclass,eprinttype,eventdate,%
3471          eventtitle,file,foreword,holder,howpublished,indextitle,%
3472          institution,introduction,isan,isbn,ismn,isrn,issn,issue,%
3473          issuesubtitle,issuetitle,isswc,journalsubtitle,journaltitle,label,%
3474          language,library,location,mainsubtitle,maintitle,maintitleaddon,%
3475          month,nameaddon,note,number,organization,origdate,origlanguage,%
3476          origlocation,origpublisher,origtitle,pages,pagetotal,pagination,%
3477          part,publisher,pubstate,reprinttitle,series,shortauthor,%
3478          shorteditor,shorthand,shorthandintro,shortjournal,shortseries,%
3479          shorttitle,subtitle,title,titleaddon,translator,type,url,urldate,%
3480          venue,version,volume,volumes,year,crossref,entryset,entrysubtype,%
3481          execute,gender,hyphenation,indexsorttitle,keywords,options,%
3482          presort,sortkey,sortname,sorttitle,sortyear,xref,annote,%
3483          archiveprefix,journal,key,pdf,primaryclass,school,address,%
3484          datamodel,%
3485          %
3486          backend,style,citestyle,bibstyle,sorting,maxnames,minnames,%
3487          maxitems,minitems,backref,abbreviate,firstinits,prenote,postnote,%
3488          useprefix,autopunct,giveninits,labelname,given-family,%
3489      },%
3490      % Keywords of class 4 : values of keys (in key=value)
3491      morekeywords=[4]{%
3492          submitted,inpress,danish dutch,american,USenglish,english,british,%
3493          UKenglish,canadian,australian,newzealand,finnish,french,français,%
3494          canadien,german,ngerman,austrian,naustrian,greek,italian,norsk,%
3495          nynorsk,brazil,portuges,spanish,swedish,%
3496          %
3497          biber,numeric,numeric-comp,numeric-verb,alphabetic,alphabetic-verb,%
3498          %
3499          authoryear,authoryear-comp,authoryear-ibid,authoryear-icom,%
3500          authortitle,authortitle-comp,authortitle-ibid,authortitle-icom,%
          authortitle-terse,authortitle-tcomp,authortitle-ticom,verbose,%

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```

3501     verbose-ibid, verbose-note, verbose-inote, verbose-trad1, verbose-trad
3502     2, %
3503     verbose-trad3, reading, draft, debug, and, inline, footnote, %
3504     superscript, plain, nyt, ynt, none, false, true, %
3505     }, %
3506     % Keywords of class 5 : arguments specifications (after ":" in expl3
3507     % syntax)
3508     morekeywords=[5]{%
3509     }, %
3510     % Keywords of class 6 : current package name (and possibly derived
3511     % packages)
3512     morekeywords=[6]{%
3513     biblatex }, %
3514     % directives
3515     directives={%
3516     article, book, inbook, bookinbook, suppbook, booklet, collection, %
3517     conference, incollection, suppcollection, manual, misc, online, patent, %
3518     periodical, suppperiodical, proceedings, inproceedings, reference, %
3519     inference, report, thesis, unpublished, masterthesis, phdthesis, %
3520     string, comment, %
3521     }, %
3522     % otherkeywords={}, %
3523     alsoletter={-}, %
3524     % alsodigit={}, %
3525     delim=[directive]@, sensitive=false, %
3526     }[keywords, directives, tex, comments]%
3527 \lst@definlanguage[lthooks]{TeX}{%
3528     % Control sequences names
3529     moretexcs={%
3530     AddToHook, BeforeBeginEnvironment, AtBeginEnvironment,
3531     AtEndEnvironment, %
3532     AfterEndEnvironment, %
3533     }, %
3534     % Keywords of class 1 : keywords that contain other characters (since
3535     % of the same class as the ones specified as 'otherkeywords')
3536     morekeywords={%
3537     }, %
3538     % Keywords of class 2 : environments names
3539     morekeywords=[2]{%
3540     }, %
3541     % Keywords of class 3 : mandatory arguments (not environments) &
3542     % optional arguments which are keys (in key=value)
3543     morekeywords=[3]{%
3544     % begin, end,
3545     before, after, begindocument, begindocument/before, %
3546     begindocument/end, enddocument, enddocument/afterlastpage, %
3547     enddocument/afteraux, enddocument/info, enddocument/end, env, %
3548     }, %
3549     % Keywords of class 4 : values of keys (in key=value)
3550     morekeywords=[4]{%
3551     }, %

```

```

3551 % Keywords of class 5 : arguments specifications (after ":" in expl3
3552 % syntax)
3553 morekeywords=[5]{%
3554 },%
3555 % Keywords of class 6 : current package name (and possibly derived
3556 % packages)
3557 morekeywords=[6]{%
3558   lthooks },%
3559 % otherkeywords={},%
3560 alsoletter={/},%
3561 % alsodigit={},%
3562 % alsoother={},%
3563 sensitive,%
3564 }[keywords,tex,comments]%
3565
3566 \lst@definlanguage[l3keys2e]{TeX}{%
3567   % Control sequences names
3568   moretexcs={%
3569     ProcessKeysOptions,ProcessKeysPackageOptions,%
3570   },%
3571   % Keywords of class 1 : keywords that contain other characters (since
3572   % of the same class as the ones specified as 'otherkeywords')
3573   morekeywords={%
3574   },%
3575   % Keywords of class 2 : environments names
3576   morekeywords=[2]{%
3577   },%
3578   % Keywords of class 3 : mandatory arguments (not environments) &
3579   % optional arguments which are keys (in key=value)
3580   morekeywords=[3]{%
3581   },%
3582   % Keywords of class 4 : values of keys (in key=value)
3583   morekeywords=[4]{%
3584   },%
3585   % Keywords of class 5 : arguments specifications (after ":" in expl3
3586   % syntax)
3587   morekeywords=[5]{%
3588   },%
3589   % Keywords of class 6 : current package name (and possibly derived
3590   % packages)
3591   morekeywords=[6]{%
3592     l3keys2e },%
3593   % otherkeywords={},%
3594   alsoletter={23},%
3595   % alsodigit={},%
3596   % alsoother={},%
3597   sensitive,%
3598 }[keywords,tex,comments]%
3599
3600 \lst@definlanguage[varioref]{TeX}{%
3601   % Control sequences names
3602   moretexcs={%

```

```

3603         vref,vpageref,%
3604     },%
3605     % Keywords of class 1 : keywords that contain other characters (since
3606     % of the same class as the ones specified as 'otherkeywords')
3607     morekeywords={%
3608     },%
3609     % Keywords of class 2 : environments names
3610     morekeywords=[2]{%
3611     },%
3612     % Keywords of class 3 : mandatory arguments (not environments) &
3613     % optional arguments which are keys (in key=value)
3614     morekeywords=[3]{%
3615     },%
3616     % Keywords of class 4 : values of keys (in key=value)
3617     morekeywords=[4]{%
3618     },%
3619     % Keywords of class 5 : arguments specifications (after ":" in expl3
3620     % syntax)
3621     morekeywords=[5]{%
3622     },%
3623     % Keywords of class 6 : current package name (and possibly derived
3624     % packages)
3625     morekeywords=[6]{%
3626         varioref },%
3627     % otherkeywords={},
3628     % alsoletter={},
3629     % alsodigit={},%
3630     % alsoother={},%
3631     sensitive,%
3632 }[keywords,tex,comments]%
3633
3634 \lst@definlanguage[hologo]{TeX}{%
3635     % Control sequences names
3636     moretexcs={%
3637         hologo },%
3638     % Keywords of class 1 : keywords that contain other characters (since
3639     % of the same class as the ones specified as 'otherkeywords')
3640     morekeywords={%
3641     },%
3642     % Keywords of class 2 : environments names
3643     morekeywords=[2]{%
3644     },%
3645     % Keywords of class 3 : mandatory arguments (not environments) &
3646     % optional arguments which are keys (in key=value)
3647     morekeywords=[3]{%
3648     },%
3649     % Keywords of class 4 : values of keys (in key=va ,lue)
3650     morekeywords=[4]{%
3651     },%
3652     % Keywords of class 5 : arguments specifications (after ":" in expl3
3653     % syntax)
3654     morekeywords=[5]{%

```

```

3655     },%
3656     % Keywords of class 6 : current package name (and possibly derived
3657     % packages)
3658     morekeywords=[6]{%
3659         hologo%
3660     },%
3661     % otherkeywords={},
3662     % alsoletter={},
3663     % alsodigit={},%
3664     % alsoother={},%
3665     sensitive,%
3666 }[keywords, tex, comments]%
3667
3668 \lst@definlanguage[acro]{TeX}{%
3669     % Control sequences names
3670     moretexcs={%
3671         Ac, Aca, Acap, Acf, Acfp, Acl, Aclp, Acp, AcroAcronymsMap, AcroAddRow, %
3672         AcroMapBreak, AcroNeedPackage, AcroPropertiesMap, AcroPropertiesSet, %
3673         AcroRerun, AcroStyle, AcroTemplateName, AcroTemplateType, AcronymID, %
3674         AcronymTable, Acs, Acsp, BeginAccSupp, Dacs, DeclareAcroArticle, %
3675         DeclareAcroEnding, DeclareAcroPreset, DeclareAcroProperty, %
3676         DeclareAcroPropertyAlias, DeclareAcroTranslation, DeclareAcronym, Iac,
3677         %
3678         Iaca, Iacf, Iacl, Iacs, MakeAcroPropertyAlias, NewAcroCommand, %
3679         NewAcroPreset, NewAcroTemplate, RenewAcroCommand, RenewAcroPreset, %
3680         RenewAcroTemplate, SetupAcroTemplate, SetupNextAcroTemplate, %
3681         UseAcroTemplate, abbrdot, ac, aca, acap, acbarrier, acdot, acf, acfg, %
3682         acflike, acfootnote, acfp, acg, aciftrailing, acl, aclg, acpl, acp, %
3683         acreset, acresetall, acrocite, acrodefine, acrodonotuse, acrodotfill, %
3684         acroendfootnote, acroformat, acrofull, acrogroupcite, acroheading, %
3685         acroifT, acroifTF, acroifallTF, acroifanyT, acroifanyTF, %
3686         acroifbooleanTF, acroifchapterF add, acroifchapterTF, acroiffirstT, %
3687         acroiffirstTF addchap, acroifpagesTF, acroifsingleTF, acroifstarredTF,
3688         %
3689         acroiftagTF, acroifusedTF, acroindefinite, acrolistname, acroneedpages,
3690         %
3691         acronopagerange, acronymsmap, acronymsmapF, acronymsmapTF, acropagefill
3692         ,%
3693         acropages, acroplural, acropossessive, acropreamble, acroshow, %
3694         acrotranslate, acroupper, acrowrite, acs, acsetup, acsp, acspace, %
3695         acswitchoff, acswitchon, acuse, dacs, declareAcronym, iac, iaca, iacf, %
3696         iacl, iacs, iacsg, printacronyms, %
3697         %
3698         acro_locale, acro_if_foreign, acro_if_locale, __acro_foreign_language,
3699         %
3700         acro_property_get, acro_property_if_set, acro_property_get, %
3701     },%
3702     % Keywords of class 1 : keywords that contain other characters (since
3703     % of the same class as the ones specified as 'otherkeywords')
3704     morekeywords={%
3705     },%
3706     % Keywords of class 2 : environments names

```

```

3702     morekeywords=[2]{%
3703     },%
3704     % Keywords of class 3 : mandatory arguments (not environments) &
3705     % optional arguments which are keys (in key=value)
3706     morekeywords=[3]{%
3707         activate,addsec,addsec*,all,alt,alt,alt-acc,alt-format,%
3708         alt-indefinite,alt-plural,alt-plural-form,barriers,before-citation,
3709         %
3710         caption,%
3711         case-insensitive,%case-sensitive,%chapter,chapter*,cite,clear,cmd,%
3712         deactivate,define,description,disable,display,exclude,extra,%
3713         extra-acc,extra-foreign,extra-format,extra-long,fill,first,%
3714         first-long,first-long-format,first-style,first-style ,floats,%
3715         footnote,foreign,foreign,foreign-acc,foreign-babel,foreign-format ,
3716         %
3717         foreign-locale,foreign-plural,foreign-plural-form,format,format,%
3718         group,heading,id,include,index,index,index-cmd,index-sort,%
3719         language,link-only-first,list,list,list-acc,list-format,%
3720         list/display,lists,load-style,local,locale,lof,long,long,%
3721         long-acc,long-format,long-indefinite,long-plural,long-plural-ending
3722         ,%
3723         long-plural-form,long-post,long-short,longtable,longtabu,lppl,%
3724         ltxtable,make-links,maketitle,method,name,no-index,none,options,%
3725         pages,pdf,pdf,pdfcomment,pdfcomment/cmd,pdfcomment/use,pdfstring,%
3726         post,pre,preamble,preset,replace,reset,section,section*,short,%
3727         short,short,short-acc,short-format,short-indefinite,short-long,%
3728         short-plural,short-plural-ending,short-plural-form ,show,single,%
3729         single,single,single-acc threshold,single-format
3730         title,single-style,%
3731         single-style,sort,sort,subsequent-style,subsequent-style,%
3732         supertabular,tabular,tabularx,tag,upgrade,use,use-id-as-short,%
3733         uselist,version,%
3734     },%
3735     % Keywords of class 4 : values of keys (in key=value)
3736     morekeywords=[4]{%
3737     },%
3738     % Keywords of class 5 : arguments specifications (after ":" in expl3
3739     % syntax)
3740     morekeywords=[5]{%
3741     },%
3742     % Keywords of class 6 : current package name (and possibly derived
3743     % packages)
3744     morekeywords=[6]{%
3745        acro%
3746     },%
3747     % otherkeywords={},%
3748     alsoletter={-_%},%
3749     % alsodigit={},%
3750     % alsoother={},%
3751     sensitive,%
3752 }[keywords, tex, comments]%
3753

```



```

3751 \lst@definlanguage[csquotes]{TeX}{%
3752   % Control sequences names
3753   moretexcs={%
3754     enquote,%
3755   },%
3756   % Keywords of class 1 : keywords that contain other characters (since
3757   % of the same class as the ones specified as 'otherkeywords')
3758   morekeywords={%
3759   },%
3760   % Keywords of class 2 : environments names
3761   morekeywords=[2]{%
3762     displayquote,%
3763   },%
3764   % Keywords of class 3 : mandatory arguments (not environments) &
3765   % optional arguments which are keys (in key=value)
3766   morekeywords=[3]{%
3767   },%
3768   % Keywords of class 4 : values of keys (in key=value)
3769   morekeywords=[4]{%
3770   },%
3771   % Keywords of class 5 : arguments specifications (after ":" in expl3
3772   % syntax)
3773   morekeywords=[5]{%
3774   },%
3775   % Keywords of class 6 : current package name (and possibly derived
3776   % packages)
3777   morekeywords=[6]{%
3778     csquotes%
3779   },%
3780   % otherkeywords={},
3781   % alsoletter={},
3782   % alsodigit={},%
3783   % alsoother={},%
3784   sensitive,%
3785 }[keywords,tex,comments]%
3786
3787 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3788 % tcolorbox
3789 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3790 \lst@definlanguage[tcolorbox]{TeX}%
3791 {%
3792   % Control sequences names
3793   moretexcs={%
3794     tcbuselibrary,newtcbtheorem,tcbset%
3795   },%
3796   % Keywords of class 1 : keywords that contain other characters (since
3797   % of the same class as the ones specified as 'otherkeywords')
3798   morekeywords={%
3799     %
3800   },%
3801   % Keywords of class 2 : environments names
3802   morekeywords=[2]{%

```



```

3803     absquote,boxarraystore,dispExample,dispExample*,dispListing,%
3804     dispListing*,docCommand,docCommand*,docCommands,docEnvironment,%
3805     docEnvironment*,docEnvironments,docKey,docKey*,docKeys,%
3806     docPathOperation,docPathOperation*,docPathOperations,extcolorbox,%
3807     extikzpicture,fooauxenv,foocolorbox,foocolorbox*,posterboxenv,%
3808     tcbclipframe,tcbclipinterior,tcbcliptitle,tcbexternal,%
3809     tcbinvclipframe,tcbitemize,tcblisting,tcboutputlisting,%
3810     tcboxeditemize,tcboxedraster,tcbposter,tcbraster,tcbverbatimwrite,%
3811     tcbwritetemp,tcolorbox,%
3812 },%
3813 % Keywords of class 3 : mandatory arguments (not environments) &
3814 % optional arguments which are keys (in key=value)
3815 morekeywords={3}{%
3816     Crefname,IfBooleanF,IfBooleanT,IfBooleanTF,IfNoValueF,IfNoValueT,%
3817     IfNoValueTF,IfValueF,IfValueT,IfValueTF,PassOptionsToClass,%
3818     PassOptionsToPackage,above*,above,actual,adapt,add,adjust,%
3819     adjusted,after,alert,alerted,algorithm,align*,align,all,ams,%
3820     and,angular,annotate,app,arara,arc,array,as,at,attach,auto,%
3821     autoparskip,balanced,base,basedim,baseline,beamer,bean,before,%
3822     beforeafter,% begin,
3823     below,between,biber,bibtex,bicolor,blank,%
3824     blanker,blankest,blend,body,bold,bookmark*,bookmark,borderline,%
3825     both,bottom*,bottom,bottomrule,bottomsep,bottomtitle,bounding,%
3826     box,boxed,boxes,boxrule,boxsep,break*,break,breakable,broken,%
3827     by,caption,capture,center,check,circular,clear,clip,code,%
3828     colback,colbacklower,colbacktitle,colframe,collower,colon,color,%
3829     colorize,colors,colspacing,coltext,coltitle,column*,column,%
3830     columns,colupper,command,comment,compilable,compiler,compress,%
3831     content,corner,corners,counter*,counter,counters,coverage,%
3832     crefname,current,curved,dash,default,definition,delimiters,%
3833     description,detach,directory,do,doc,docexample,documentation,%
3834     downwards,draft,draftmode,draw,drop,dvips,east,empty,% end,
3835     %
3836     enforce,engine,english,enhanced,enlarge,enlargement,enlargepage,%
3837     entry,environment,environments,equal,equation*,equation,error,%
3838     even,every,example!,example,extend,extension,external,%
3839     externalize,extras,extrude,fade,fading,file,fill,filled,finally,%
3840     finish,first,fit,fitting,fixed,flexible,flip,float*,float,%
3841     floatplacement,flush,flushleft,flushright,font,fontlower,fontsize,%
3842     fonttitle,fontupper,for,force,format,formatter,frame,freelance,%
3843     freelancefirst,freelancelast,freelancemiddle,freestyle,freeze,from,
3844     %
3845     full,fuzzy,gap,gather*,gather,geometry,german,goal,graphical,%
3846     graphics,group,grow,halign,halo,hanging,hbox,head,height,%
3847     hidden,hide,higher,highlight,hooks,horizontal,hyperlink,hyperref,%
3848     hypertarget,hyperurl*,hyperurl,hyphenationfix,if,ignore,image,in,%
3849     indent,index*,index,inherit,initially,input,inputencoding,inside,%
3850     interior,into,invisible,inwards,is,jigsaw,jpg,key,keypath,keys,%
3851     keywords,label,language,large,last,latex,layer,layers,left*,%
3852     left,lefthand,leftlower,leftright,leftrule,leftrule,leftrule,%
3853     length,lengths,level,lifted,limit,line*,line,lines,list,%

```

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3854 lowered, lualatex, m, macros, magazine, makeindex, many, marginnote, %
3855 marker, math, maxfontdiff, maxfontdiffgap, maxstep, maxwidthdiff, %
3856 maxwidthdiffgap, method, midday, middle, minimum, minipage, minted, %
3857 most, move, multicolumn, multirow, n, name, nameref, natural, new, %
3858 nirvana, no, nobeforeafter, nobreak, node, nodes, nodisplayskip, %
3859 nofloat, none, noparskip, nophantom, north, northeast, northwest, not, %
3860 notitle, number, octagon, odd, of, offset, on, oneside*, oneside, only, %
3861 opacity, opacityback, opacitybacklower, opacitybacktitle, opacityfill, %
3862 opacityframe, opacitylower, opacitytext, opacitytitle, opacityupper, %
3863 option, options, or, orientation, out, outer, outside, outwards, over, %
3864 overlay, overlays, oversize, overzoom, pad, page*, page, pages, %
3865 pageshort, parameter, parbox, parenthesis, parfillskip, parskip, path, %
3866 paths, pdf, pdflatex, percent, phantom, phantomlabel, placeholder, %
3867 plain, plus, png, poster, pre, preamble, preclass, prefix, process, %
3868 pspdf, quote, raise, raised, raster, ratio, record, recording, remake, %
3869 remember, remove, reset, restore, right*, right, righthand, rightlower, %
3870 rightrule, righttitle, rightupper, rotate, rounded, row, rows, %
3871 rowspacing, rowspan, run, runner, runs, safety, savedelimiter, %
3872 savelowerto, saveto, scale, scope, segmentation, semi, separated, %
3873 separator, sequence, settings, shade, shading, shadow, sharp, sharpish, %
3874 shield, show, showframe, shrink, side, sidebyside, sideways, sign, %
3875 size, skin, skins, skip, small, smart, sort, source, south, southeast, %
3876 southwest, space, spacing, span, spartan, split, spread, square, %
3877 squeezed, stack, standard, step, store, stretch, style, subskin, %
3878 subtitle, supplement, switch, system, tabulars*, tabulars, tabularx*, %
3879 tabularx, tcbimage, tcbbox, preamble tcbset, tempfile, terminator, text, %
3880 theorem, theorems, tight, tikz, tikznode, tile, title*, title, titlebox, %
3881 titled, titlerule, to, toggle, top*, top, toprule, topsep, toptitle, %
3882 type, unbreakable, unbroken, underlay, updated, upper*, upper, upperbox, %
3883 upwards*, upwards, use, utf, valign, value, values, varwidth, verbatim, %
3884 vertical, vfill, vignette, visible, void, warning, watermark, west, %
3885 widget, width, with, within, xelatex, xmax, xmin, xparse, xshift, ymax, %
3886 ymin, yshift*, yshift, yshifttext, zoom, %
3887 }, %
3888 % Keywords of class 4 : values of keys (in key=value)
3889 morekeywords=[4]{%
3890 all, and, apart, areastyle*, areastyle, as-is, auto, base, baselineskip, %
3891 beamer, beamerfirst, beamerlast, beamermiddle, bicolor, bicolorfirst, %
3892 bicolorlast, bicolormiddle, both, bottom, break, broken, center, change, %
3893 clipped, colon, copy, dash, direct, doc, downhill, draft, east, empty, %
3894 emptyfirst, emptylast, emptymiddle, enhanced, enhancedfirst, %
3895 enhancedlast, enhancedmiddle, evenpage, false, fbox, figures, final, %
3896 first, fitbox, flush, fontsize*, fontsize, forced, freelance, %
3897 freelancefirst, freelancelast, freelancemiddle, hang, hbox, hybrid*, %
3898 hybrid, ignored, invisible, jigsaw, justify, landscape*, landscape, %
3899 last, left, limited, listings, margin, maximum, middle, minimal, %
3900 minimum, minipage, minted, none, normal, north, northeast, northwest, %
3901 off, on, path, pathfirst, pathfirstjigsaw, pathjigsaw, pathlast, %
3902 pathlastjigsaw, pathmiddle, pathmiddlejigsaw, pgf, pgfchapter, %
3903 pgfsection, plain, portrait*, portrait, right, rows, scale*, scale, %
3904 seam, small, south, southeast, southwest, spartan, squeeze, standard, %
3905 tables, tight, tile, tilefirst, tilelast, tilemiddle, title, top, true, %

```

```

3906         unbroken,unlimited,uphill,visible,west,widget,widgetfirst,%
3907         widgetlast,widgetmiddle,red,black,white,none,%
3908     },%
3909     % Keywords of class 5 : arguments specifications (after ":" in expl3
3910     % syntax)
3911     morekeywords=[5]{%
3912     },%
3913     % Keywords of class 6 : current package name (and possibly derived
3914     % packages)
3915     morekeywords=[6]{%
3916         tcolorbox%
3917     },%
3918     % otherkeywords={},%
3919     alsoletter={ \ },%
3920     % alsodigit={},%
3921     % alsoother={},%
3922     sensitive,%
3923 }[keywords,tex,comments]%
3924
3925 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3926 % Classes (La)TeX
3927 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3928 \lst@definlanguage[classes]{TeX}{%
3929     % Control sequences
3930     moretexcs={%
3931     },%
3932     % Keywords of class 1 : keywords that contain other characters
3933     % (since of the same class as the ones specified as
3934     % 'otherkeywords')
3935     morekeywords={%
3936     %
3937     },%
3938     % Keywords of class 2 : environments names
3939     morekeywords=[2]{%
3940     },%
3941     % Keywords of class 3 : mandatory arguments (not environments)
3942     % & optional arguments which are keys (in key=value)
3943     morekeywords=[3]{%
3944     },%
3945     % Keywords of class 4 : values of keys (in key=value)
3946     morekeywords=[4]{%
3947     },%
3948     % Keywords of class 5 : arguments specifications (after ":"
3949     % in expl3 syntax)
3950     morekeywords=[5]{%
3951     },%
3952     % Keywords of class 6 : current package name (and possibly
3953     % derived packages)
3954     morekeywords=[6]{%
3955         a0poster,aalok,aastex631,abntex2,achemso,acmart,acmconf,
3956         active-conf,adfathesis,afparticle,afthesis,aguplus,aiaa-tc,
3957         akklecture,akkscript,akktecdoc,akletter,myletter,ametsoc,

```

3958 amsart, amsbook, amsdtx, amsldoc, amsproc, aomart, apa, apa6,
 3959 apa6e, apa7, arabart, arabbook, arabrep, arabrep1, articleingud,
 3960 asaetr, ascelike, asmeconf, asmejourn, assignment, aucklandthesis,
 3961 bangorcsthesis, bangorexam, barticle, bbook, bletter,
 3962 bankstatement, article, book, letter, ltnews, ltxdoc, ltxguide,
 3963 minimal, proc, report, slides, source2edoc, basque-book, beamer,
 3964 beamerswitch, beaulivre, beilstein, argetabelle, bewerbung,
 3965 bgteubner, BHCexam, bitart, bitbook, bjfuthesis, BMSTU-IU8,
 3966 bookcover, bookest, bookshelf, br-lex, brandeis-dissertation,
 3967 brandeis-problemset, brandeis-thesis, buctcover, buctthesis,
 3968 bxjsarticle, bxjsbook, bxjsreport, bxjsslide, cascadilla, cd,
 3969 cd-cover, articoletteracdp, letteracdp, cesenaexam, cheatsheet,
 3970 chemmacros-manual, chletter, cje, cnbwp, cnltx-doc, codedoc,
 3971 colorart, colorbook, combine, cc, ConcProg, confproc, contracard,
 3972 courseoutline, coursepaper, cquthesis, csbulletin, csbulobalka,
 3973 csbulv1, ctexart, ctexbeamer, ctexbook, ctexrep, ctdoc, curve,
 3974 cv4tw, cweb, idcc, ijdc-v14, ijdc-v9, dinbrief, disser, gost732,
 3975 dithesis, droit-fr, dtk, dvdcoll, easybook, ebsthesis, agecon,
 3976 ajae, apecon, ecca, erae, itaxpf, jrurstud, njf, oegatb, pocoec,
 3977 regstud, worlddev, ecv, einfart, ejpecp, elbioimp, elegantbook,
 3978 elegantnote, elegantpaper, elpres, cas-dc, cas-sc, elsarticle,
 3979 elteikthesis, emisa, emulateapj, erdc, eskd, eskdgraph, eskdtab,
 3980 eskdtext, estcpmm, europasscv, europecv, exam, exam-n, examdesign,
 3981 exesheet, extarticle, extbook, extletter, extproc, extreport,
 3982 facsimile, factura, fancyhandout, fancyslides, fbithesis, fcavtex,
 3983 fdudoc, fduthesis-en, fduthesis, fei, ffslices, fithesis,
 3984 fithesis2, fithesis3, fithesis4, flacards, flashcards, frletter,
 3985 g-brief, g-brief2, gaceta, gammas, gatech-thesis, gmdocc,
 3986 gradstudentresume, grant-afosr, grant-aro, grant-darpa, grant-doe,
 3987 grant-nih, grant-nrl, grant-nsf, grant-onr, grant, graphpaper,
 3988 gridslides, gsemthesis, guitartabs, gzt, gztarticle, h2020proposal,
 3989 hgbarticle, hgbreport, hgbthesis, harnon-cv, hausarbeit-jura,
 3990 hcart, hcletter, hcreport, hcslides, hecthesse, hepthesis, hitec,
 3991 hithesis, hitreport, hitszthesis, hletter, hpsdiss, fsbispi,
 3992 huawei, hustthesis, icsv, IEEEconf, IEEEtran, ijmart, ijsra,
 3993 image-gallery, IMTEKda, inkpaper, invoice-class, iodhbwm, iscam,
 3994 isov2, isodoc, iwhdp, jacow, jlreq, jmlr, jmlrbook, jnuexam, jpsj2,
 3995 jura, jurabook, juraovw, juraurl, kdgcursetext, kdgmasterthesis,
 3996 kdpcover, kerntest, kluwer, knittingpattern, scrartcl, scrarticle,
 3997 scrbook, scrdoc, scrletter, scrlltr2, scrreport, scrreprt, komacv,
 3998 oblivoir-utf, oblivoir-xl, oblivoir, xoblivoir, ksp-thesis, l3doc,
 3999 labbook, leadsheet, leaflet, lebhart, lectures, letgut, lettre, limap,
 4000 limecv, lion-msc, lni, lps, lt3graph-packagedoc, ltxdockit,
 4001 ltxguidex, abstbook, beletter, flashcard, iagproc, cours, fiche,
 4002 matapli, matc3mem, mcmthesis, ltxmdf, medstarbeamer, meetingmins,
 4003 memoir, mensa-tex, mentis, metanorma, milog, minimart, minimbook,
 4004 mla, mluexercise, mnras, moderncv, modernposter, msu-thesis,
 4005 mucproc, mugsthesis, muling, musuos, muthesis, third-rep, mwart,
 4006 mwbk, mwrep, mycv, nature, ncc, nccproc, sibjnm, nddiss2e,
 4007 ndsu-thesis, newlrm, nih, nihbiosketch, njurepo, nlctdoc, nostarch,
 4008 nrc1, nrc2, artikel1, artikel2, artikel3, boek, boek3, brief,
 4009 rapport1, rapport3, nwejm, nwejmart, octavo, onrannual,

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4010     oup-authoring-template, journal, paper, papertex, pbsheet, pecha,
4011     petiteannonce, philosophersimprint, pittetd, pkuthss, plari, play,
4012     postcards, powerdot, FUpowerdot, ppr-prv, pracjourn, pressrelease,
4013     proposal, reporting, dfgproposal, dfgreporting, euproposal,
4014     eureporting, prosper, protocol, prtec, upmgr, wkmgr, pst-doc,
4015     ptptex, qcm, quantumarticle, qyxf-book, ReadableCV, recipe,
4016     RecipeBook, recipecard, refart, refrep, resphilosophica, revtex4-2,
4017     revtex4, revtex4-1, rtklage, ryersonSGSThesis, ryethesis, sageep,
4018     sapthesis, schuleab, schulein, schuleit, schulekl, schuleub,
4019     schuleue, schullsg, schullzk, schulma-ab, schulma-gutachten,
4020     schulma-klausur, schulma-komp, schulma-mdlprf, schulma-praes,
4021     schwalbe, sciposter, screenplay, scrjrn1, sdapsclassic, sduthesis,
4022     seminar, semproc, sesamanuel, seuthesis, sffms, cassette, etiketka,
4023     shtthesis, caesar_book, sides, simplecv, simplivre, skbarticle,
4024     skbbeamer, skbbook, skblncsbeamer, skblncsppt, skbmoderncv, skdoc,
4025     skeyval-testclass, skrapport, smfart, smfbook, SPhdThesis, spie,
4026     sr-vor1, sslides, stage, standalone, uthesis, hwexam, mikoslides,
4027     omdoc, smglom, subfiles, suftesi, sugconf, tabriz-thesis, talk,
4028     tcldoc, tcldoc, powersem, thesis-ekf, thesis-gwu, thuthesis,
4029     tikz-kalender, tikzposter, tlc-article, TOPletter, toptesi,
4030     tudabeamer, tudaexercise, tudaleaflet, tudaletter, tudaposter,
4031     tudapub, tudasciposter, tudscrartcl, tudscrbook, tudscrdoc,
4032     tudscrmanual, tudscrposter, tudscrreprt, tufte-book, tufte-handout,
4033     ltugboat, ltugproc, tui, turabian, turabian-researchpaper,
4034     turabian-thesis, my-thesis, ua-thesis, uafthesis,
4035     uantwerpenbamathesis, uantwerpencoursetext, uantwerpenexam,
4036     uantwerpenletter, uantwerpenphdthesis, uantwerpenreport,
4037     ucalgmthesis, ucbthesis, ucdavisthesis, ucsmonograph, uthesis,
4038     udesoftec, uebungsblatt, uestcthesis, uhhassignment, uiucborder,
4039     uiucthesis, ulthese, legislation, umich-thesis, umthesis,
4040     unam-thesis, unifith, unitn-bimrep, univie-ling-expose,
4041     univie-ling-paper, univie-ling-thesis, univie-ling-wlg,
4042     unizgklasa, uothesis, UoWthesis, upmethodology-document, URbeamer,
4043     URletter, uspatent, ut-thesis, utexasthesis, uwmslide, uwthesis,
4044     verifica, webquiz, willowtreebook, withargs-packagedoc,
4045     wsemclassic, xduthesis, xebaposter, xmuthesis, xsim-manual,
4046     yaletter, yathesis, ycbook, ydoc, york-thesis,
4047     },%
4048     % otherkeywords={},%
4049     alsoletter={0123456789-},%
4050     % alsodigit={},%
4051     sensitive%
4052 }[keywords, tex, comments]%

```



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75001 Paris
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- Les adhésions sont à renouveler en début d'année pour l'année civile.
- Les administrations peuvent joindre un bon de commande revêtu de la signature de la personne responsable ; les étudiants doivent joindre un justificatif.

Tarifs 2023

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

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

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Type d'adhésion	Prix
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Membre individuel étudiant + adhésion rug	55 €
Association d'étudiants	65 €
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