

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

-xoc34ja00pj051Included graphics attached to the format de document portablesub-
subsection*.192 format de document portable-xoc34ja00pj0@cref

-xoc34ja00pj0@cref[1][51][51]

-14e34ja00pj052Added bibliographic ressources attached to the format de docu-
ment portablesubsubsection*.193 format de document portable-14e34ja00pj0@cref

-14e34ja00pj0@cref[1][52][52] format de document portable-14e34ja00pj0

-14e34ja00pj052Added acronym definitions file attached to the format de document
portablesubsubsection*.194 format de document portable-14e34ja00pj0@cref

-14e34ja00pj0@cref[1][52][52] format de document portable-14e34ja00pj0

-14e34ja00pj053Added letgut listings language file attached to the format de docu-
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-14e34ja00pj0@cref[1][53][53]

Support for the newsletter “La Lettre GUTenberg”

Association GUTenberg

14 janvier 2023

Identification	3
Debugging	3
Implementation	3
Messages	4
Engine checking	5
Declarations	5
Booleans	5
Dimensions	5
Skips (lengths with rubber components)	7
Integers	8
Strings	8
Token lists	8
Comma separated lists	10
Sequences	10

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GUTenberg

Class options.....	10
Date handling.....	10
Class and package loading.....	12
Settings for the loaded packages.....	15
Page color default settings.....	18
Options.....	18
Headers.....	19
Marginal notes.....	20
Table of contents.....	20
Geometry of the document.....	21
Alert box.....	21
Announcements.....	22
Rebus.....	22
“Title” and marks.....	24
First page handling.....	25
Last page handling.....	29
Sections, subsections, etc.....	30
Numbering.....	30
Format.....	30
Document commands.....	32
Setup.....	32
For the rubric dedicated to new stuffs appeared on CTAN.....	32
Persons, authors and list of participants.....	33
Horizontal rule.....	36
Alert boxes.....	36
Typesetting of packages, classes, files and softwares.....	36
Names, expressions, etc.....	38
Foreign locutions.....	41
Unicode code points.....	41
Bookmarks handling.....	41
Acronyms.....	42
Bibliography.....	46
Book reviews.....	46
Keyboard keys.....	48
Miscellaneous.....	49
ISSN.....	49
Non selectable text.....	49
Typesetting of code, etc.....	49
Input of articles.....	50
Included graphics attached to the PDF.....	51
Added bibliographic ressources attached to the PDF.....	52
Added acronym definitions file attached to the PDF.....	52
Added letgut listings language file attached to the PDF.....	53
Listings.....	53
L ^A T _E X listings and examples.....	54
Terminal listings.....	61
Unicode characters with positions above 256.....	65
Local config file.....	65
(bibtex) Data model.....	66
Provided files.....	67
Example file of an issue of the newsletter.....	67
Example of an editorial.....	69
Informations about GUTenberg.....	69
Acronyms.....	72
Language driver file.....	78
Adhésion à l’association.....	158
Tarifs 2023.....	158
Règlements.....	158

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 {2023-01-14}
3 {0.9.6}
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 $\LaTeX 2_{\epsilon}$ option processing using $\LaTeX 3$ 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 $\text{\LaTeX} 2_{\epsilon}$.
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 T_EX code stand-alone or as part of a document.
1 `\RequirePackage[group=false, subpreambles, sort]{standalone}`
- Attach arbitrary files to a PDF document.
1 `\RequirePackage[icon=Paperclip]{attachfile2}`
- Expandable macros to extract the data from references and allow counter assignments or calculations.
1 `\RequirePackage{refcount}`
- Select colors with proper WCAG color contrast.
1 `\RequirePackage{ninecolors}`
- Typeset tabulars and arrays with LaTeX3 (for the alert boxes typeset as simple tabulars).
1 `\RequirePackage{tabulararray}`
- Multilingual support for Plain T_EX or L^AT_EX.
1 `\RequirePackage[english, french]{babel}`
- Intelligent page references.
1 `\RequirePackage[nospace, french]{varioref}`
- Macros for Euro sign.
1 `\RequirePackage[right]{eurosym}`
- Typeset source code listings using L^AT_EX.
1 `\RequirePackage{listings}`
- Modifying the layout of floats.
1 `\RequirePackage{floatrow}`
- Sophisticated Bibliographies in L^AT_EX.
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 L<sup>A</sup>T<sub>E</sub>X  
1 `\RequirePackage{hyperref}`
  - Adjusting the anchors of captions  
1 `\RequirePackage[all]{hyccap}`
  - 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 begining of the document.

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

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

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

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

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

```
1 \file_if_exist:nTF {./\c__letgut_acronyms_file_tl}{
2 \tl_gset:Nn \g__letgut_effective_acronyms_file_tl {./
 \c__letgut_acronyms_file_tl}
3 }{
4 \file_if_exist:nTF {../\c__letgut_acronyms_file_tl}{
```



```

5 \tl_gset:Nn \g__letgut_effective_acronyms_file_tl {../
 \c__letgut_acronyms_file_tl}
6 }{
7 \file_if_exist:nT {\c__letgut_acronyms_file_tl}{
8 \tl_gset:Nn \g__letgut_effective_acronyms_file_tl {
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 watermak is rotated in order to be parallely slanted to the first diagonal of the page (angle =  $\arctan(\text{paper height}/\text{paper width})$ ).

```

1 \box_rotate:Nn \l_tmpb_box {
2 \fp_eval:n {
3 atand (
4 \dim_to_fp:n {\paperheight}
5 /
6 \dim_to_fp:n {\paperwidth}
7)
8 }

```

```

9 }
10 \box_use:N \l_tmpb_box
11 }
12 }
13 }

```

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

```

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

```

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

```

1 }

```

### Page color default settings

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

```

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

```

### Options

We now define the options of the class :

- `for-readers~/~/for-authors`, depending on the target audience,
- `draft~/~/final` depending on the state of the document,
- `paper~/~/screen` depending on the way the document will be read,
- `number` for the number of the issue,
- `date` for the date of the issue, either empty (hence the current (month) date) or at the format `YYYY-MM` or as free input,
- `pagecolor` (relevant only with the (default) screen load time option) for a color of the page other than the default one,
- `allcolorslinks` for the color of (all) the links,
- `membership-reminder` that typesets a membership reminder on the first page,
- `editorial` depending on the editorial is wanted or not,
- `informations` depending on the GUTenberg informations are wanted or not,
- `detailedtoc` depending on the automatic ToC is wanted maximally (until subparagraphs) detailed or not.

```

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

```

```

12 \pagecolor[rgb]{\c__letgut_default_pagecolor_paper_clist}
13 \clist_set_eq:NN \g__letgut_pagecolor_clist
14 \c__letgut_default_pagecolor_paper_clist
15 }
16 , screen .code:n = {
17 \bool_gset_false:N \g__letgut_paper_bool
18 }
19 , number .int_gset:N = \g__letgut_number_int
20 , date .code:n = { __letgut_date_parse:n { #1 } }
21 , date .initial:x = {\the\year-\the\month}
22 , pagecolor .initial:V
23 = \c__letgut_default_pagecolor_screen_clist
24 , pagecolor .code:n = {
25 \definecolor{letgut_pagecolor}{rgb}{#1}
26 \AddToHook{begindocument/before}
27 {
28 \bool_if:NTF \g__letgut_paper_bool {
29 \msg_warning:nnn{letgut}{
30 pagecolor~inoperative~with~paper~option
31 }{#1}
32 }{
33 \clist_gset:Nn \g__letgut_pagecolor_clist { #1 }
34 \pagecolor[rgb]{#1}
35 }
36 }
37 }
38 , allcolorlinks .code:n = {
39 \colorlet{letgut_allcolorlinks}{#1}}
40 , allcolorlinks .initial:V
41 = \c__letgut_default_allcolorlinks_color_tl
42 , membership-reminder .bool_gset:N
43 = \g__letgut_membership_reminder_bool
44 , membership-reminder .initial:n = { true }
45 , editorial .bool_gset:N = \g__letgut_editorial_bool
46 , editorial .initial:n = { true }
47 , informations .bool_gset:N = \g__letgut_informations_bool
48 , informations .initial:n = { true }
49 , detailedtoc .bool_gset:N = \g__letgut_detailedtoc_bool
50 , detailedtoc .initial:n = { false }
51 , reverse-files-attachement .code:n = {
52 \AddToHook{begindocument/before}{
53 \bool_lazy_and:nnTF {\g__letgut_for_readers_bool} {!
54 \g__letgut_paper_bool}
55 {
56 \bool_gset_false:N \g__letgut_included_files_attached_bool
57 }{
58 \bool_gset_true:N \g__letgut_included_files_attached_bool
59 }
60 }
61 }
62 \ProcessKeysOptions { letgut }

```

```

63 \AddToHook{begindocument/before}{
64 \bool_lazy_and:nnTF {\g__letgut_for_readers_bool} {!
 \g__letgut_paper_bool}
65 {
66 \bool_gset_true:N \g__letgut_included_files_attached_bool
67 }{
68 \bool_gset_false:N \g__letgut_included_files_attached_bool
69 }
70 }
1 \definecolor{letgut_pagecolor}{rgb}{\g__letgut_pagecolor_clist}

```

## Headers

We now define the headers.

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

```

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

```

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

```

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

```

- The headers alternate between even and odd pages.

```

1 \fancyhf{}
2 \fancyhead[RO,LE]{\thepage}
3 \fancyhead[RE,LO]{\g__letgut_mark_tl}

```

- The headers are left offset

```

1 \fancyheadoffset[L]{\c__letgut_hoffset_dim}

```

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

```

1 \pagestyle{fancy}

```

## Marginal notes

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

```

1 \reversemarginpar

```

## Table of contents

The table of contents is customized :

- layout :

```

1 \etocsetstyle {section}
2 {}
3 {\leavevmode\leftskip 2.5cm\relax}
4 {\mdseries\small%
5 \etocname~\dotfill~\etocpage\par
6 }
7 {}
8 \etocsetstyle {subsection}
9 {}

```

```

10 {\leavevmode\leftskip 3cm\relax}
11 {\mdseries\footnotesize%
12 \etocname~\dotfill~\etocpage\par
13 }
14 {}
15 \etocsetstyle {subsubsection}
16 {}
17 {\leavevmode\leftskip 3.5cm\relax}
18 {\mdseries\scriptsize%
19 \etocname~\dotfill~\etocpage\par
20 }
21 {}
22 \etocsetstyle {paragraph}
23 {}
24 {\leavevmode\leftskip 4cm\relax}
25 {\mdseries\tiny%
26 \etocname~\dotfill~\etocpage\par
27 }
28 {}
29 \etocsetstyle {subparagraph}
30 {}
31 {\leavevmode\leftskip 4.5cm\relax}
32 {\mdseries\tiny%
33 \etocname~\dotfill~\etocpage\par
34 }
35 {}

```

— its title is dropped :

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

## Geometry of the document

```

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

```

## Alert box

```

1 \cs_new_protected:Nn __letgut_alert_box:nn
2 {
3 \noindent
4 \begin{tblr}{
5 width=\linewidth,
6 rowspec={Q[c,m,#1]},
7 colspec={|

```

```

1 >{\bfseries}X|
2 },
3 vlines,
4 hlines,
5 rowsep=2.5mm,
6 colsep=2.5mm
7 }
8 #2
9 \end{tblr}
10 \skip_vertical:N \c_zero_dim
11 }

```

### Announcements

```

1 \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}{}{\tcblower}
2 \NewDocumentCommand{\displaysolutions}{}{%
3 \tcbstoprecording\tcbinputrecords%
4 }
5 \tcbset{%
6 rebus~ style/.style={%

```

```

7 enhanced,
8 boxrule=0pt,
9 frame~hidden,
10 fonttitle=\normalfont\large\bfseries,
11 before~ title={\lefthand\c_space_tl},
12 halign=center,
13 title~ addon/.store~ in=\l__letgut_title_addon_tl,
14 after~ title={
15 \tl_if_empty:NF {\l__letgut_title_addon_tl}{
16 \c_space_tl(\emph{\l__letgut_title_addon_tl})
17 }
18 },
19 float = bh,
20 colback = __letgut_background_terminal_stdout,
21 colbacktitle = __letgut_background_terminal_stdin,
22 coltitle = black
23 }
24 }
25 \tcbset{
26 no~ solution/.style={
27 no~ recording,
28 after~ upper=dans~ la~ prochaine~ \lettre{},
29 after~ upper~ pre={
30 \par\bigskip\hfill\scriptsize\itshape
31 Solution\c_space_tl
32 },
33 }
34 }
35 \NewTColorBox[auto~ counter]{rebus}{+!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={\lefthand{}}~Solution~ du~ rébus\c_space_tl},
56 title={
57 \IfBooleanTF{#1}{
58 \vpageref[ci-dessus]{rebus@#2}

```

```

59 }{
60 de~la~\lettre{} \c_space_tl
61 \IfValueTF{#3}{
62 #3
63 }{
64 précédente
65 }
66 }
67 },
68 phantomlabel={
69 \IfBooleanT{#1}{
70 solution@#2
71 }
72 },
73 #4
74]
75 \IfBooleanTF{#1}{
76 \file_if_exist_input:n {rebus-#2.tex}
77 }{
78 #2
79 }
80 \end{tcolorbox}
81 }{
82 \IfValueF{#3}{
83 \tcbstoprecording
84 \tcbinputrecords
85 }
86 }
87 }

```

### “Title” and marks

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

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

At the end of preamble, we put the `\@title` (empty or populated by the user) into `\g__letgut_@title_str` for later tests.

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

The number is added only if it is

> 0.

```
1 \tl_gset:Nn \g__letgut_title_tl {
2 \int_compare:nNnT
3 \g__letgut_number_int
1 > \c_zero_int
2 {numéro~ \int_use:N\g__letgut_number_int{}~ --- }
3 \g__letgut_date_tl
4 }
```



```

5 \str_if_empty:NTF \g__letgut_@title_str {
6 \tl_gset:Nn \g__letgut_mark_tl {
7 \textit{\c__letgut_La_lettre_gutenberg_tl}
8 }
9 }{
10 \tl_gset:Nn \g__letgut_mark_tl {
11 \g__letgut_@title_str
12 }
13 }
14 \tl_gput_right:Nn \g__letgut_mark_tl {
15 ,~\g__letgut_title_tl
16 }
17 }

```

### First page handling

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

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

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

```

1 \AddToHook{begindocument/before}{
2 \bool_if:NT \g__letgut_for_readers_bool {
3 \file_if_exist:nTF {\c__letgut_banner_file_tl.pdf}{
4 \AddToHookNext{shipout/background}
5 {
6 \begin{picture}(0,0)
7 \put(-2cm,-25.275cm){
8 \includegraphics*[scale=0.96]{
9 \c__letgut_banner_file_tl.pdf
10 }
11 }
12 \end{picture}
13 }
14 }{
15 }
16 }{
17 }

```

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

```

1 \msg_term:nn{letgut}{Banner~file~not~provided}
2 \RequirePackage[pagecolor={\g__letgut_pagecolor_clist}]{
3 letgut-banner
4 }
5 }

```

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

```

1 \AddToHook{begindocument/end}
2 {

```

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

```

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

```

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

```

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

```

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

```

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

```

```

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

```

Here, we insert the title, but don't rely on `\maketitle` because it lets to `\relax` the command `\title` which is used later as new sectioning 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 }
11 % \if\count{\pagenumber}>1
12 % \else
13 % \newpage
14 % \fi
15 }{
16 \msg_warning:nn{letgut}{Editorial~file~missing}
17 \alertbox{ \c__letgut_missing_editorial_tl }
18 \newpage
19 }
20 }{
21 % \newpage
22 }

```

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

```

### Horizontal rule

```

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

```

### Alert boxes

```

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

```

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

The `\c__letgut_httpsprefix_tl` comes from :

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

```

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

```

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

```

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

```

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

```

1 \seq_set_split:Nnn \l_tmpa_seq { ~ } { #2 }
2 \seq_set_map:NNn \l_tmpb_seq \l_tmpa_seq {{
3 \l__letgut_softwares_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 0{\c__letgut_package_tl} } {
15 \IfBooleanT{#1}{
16 #4
17 \c_space_tl
18 }
19 __letgut_tex_stuff:nn {#2}{#3}
20 }

```

```

21 \NewDocumentCommand{\class}{ s o m 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 { \lampport } { } {
50 \person{Lampport,~ 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\tl_range:Nnn \l_tmpb_tl { 2 } { -1 }}}
11 {\c__letgut_minus_tl} {\int_eval:n {\g__letgut_number_int
12 \l_tmpa_tl\tl_range:Nnn \l_tmpb_tl { 2 } { -1 }}}
13 {\c__letgut_dot_tl} {\int_use:N \g__letgut_number_int}
14 }
15 }
16 \NewDocumentCommand { \lettrenumber } { s 0{} } {
17 \IfBooleanT{#1}{
18 \no
19 }
20 __letgut_get_lettre_number:n { #2 }
21 }

```

The “*Lettre*” and “*Lettre GUTenberg*” expressions are treated separately since they are subject to variations, depending how they are used. The corresponding commands `\lettrenumber` 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:nTF {#1}{
8 {
9 #3
10 \nobreakspace
11 __letgut_get_lettre_number:n {#1}
12 }
13 }
14 \NewDocumentCommand { \lettrenumber } { s 0{} } {
15 \IfBooleanTF{#1}{

```



```

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

```

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

### Foreign locutions

```

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

```

### Unicode code points

```

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

```

### Bookmarks handling

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

```

1 \AddToHook{begin/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\lampion{ }{Leslie~ Lampion}
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,\fi}
4 \NewCommandCopy{__letgut_old_footnote}{\footnote}
5 \RenewDocumentCommand {\footnote} { 0{} m }{
6 \bool_set_true:N \l__letgut_in_footnote_bool
7 \tl_if_empty:nTF {#1}{
8 __letgut_old_footnote { #2 }
9 }{
10 __letgut_old_footnote [#1] { #2 }
11 }
12 \bool_set_false:N \l__letgut_in_footnote_bool
13 \futurelet__letgut_next_token__letgut_next_token_is_footnote:
14 }

```

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

```

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

```

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

```

1 \bool_if:NTF \l__letgut_in_footnote_bool {
2 \space
3 (
4 \acroiffT {alt} { \acrotranslate {or} ~ \acrowrite {alt} ~ }
5 \acroiffT {foreign} { \acrowrite {foreign} }
6 \acrowrite {long}
7 \acrogroupcite
8)
9 }{
10 \acfootnote

```

---

1. long

```

11 {
12 \acroifT {alt} {
13 \acrotranslate {or} ~ \acrowrite {alt} :~
14 }
15 \acroifT {foreign} { \acrowrite {foreign} }
16 \acrowrite {long}
17 \acroifT {extra-long} { ~ [\acrowrite {extra-long}] }
18 \acroifT {extra-foreign} {
19 \c_space_tl [\acrowrite {extra-foreign}]
20 }
21 \acrogroupcite
22 }
23 }
24 }
25 }
26 \RenewAcroTemplate[list]{description}{%
27 \acroheading
28 \acropreamble
29 \begin{description}
30 \acronymsmapF{%
31 \item[\acrowrite{short}\acroifT{alt}{/\acrowrite{alt}}]
32 \acroifT{foreign}{
33 \acrowrite{foreign}\acroifT{extra}{, }
34 }%
35 \acroifT{extra}{\acrowrite{extra}}%
36 \acroifanyT{foreign,extra}{\acspace ()}%
37 \acrowrite{list}%
38 \acroifT {extra-foreign} {
39 , \c_space_tl \acrowrite {extra-foreign}
40 }
41 \acroifanyT{foreign,extra}{})}%
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 }
```

```

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}%

```





```

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 particular (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 developed at its first occurrence).
- The source file of the article is attached to the PDF (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_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={Source~ du~ présent~ article~ (fichier~ `#2.tex`)},
11 mimetype=application/x-tex]%
12 {#2.tex}%
13 }
14 \bool_if:NT \g__letgut_acronyms_file_attached_bool {

```

```

15 \seq_gput_right:No \g__letgut_included_files_seq {
16 \c__letgut_acronyms_file_attached_tl
17 }
18 }
19 \bool_if:NT \g__letgut_lstlanguage_file_attached_bool {
20 \seq_gput_right:No \g__letgut_included_files_seq {
21 \c__letgut_lstlanguage_file_attached_tl
22 }
23 }
24 \seq_remove_duplicates:N \g__letgut_included_files_seq
25 \marginpar{\seq_use:Nn \g__letgut_included_files_seq { } }
26 \seq_clear:N \g__letgut_included_files_seq
27 \bool_gset_false:N \g__letgut_acronyms_file_attached_bool
28 \bool_gset_false:N \g__letgut_lstlanguage_file_attached_bool
29 }
30 }
31 }
32 \NewDocumentCommand{\inputarticle}{ s m }{
33 __letgut_input_article:nn { #1 } { #2 }
34 }

```

### Included graphics attached to the PDF

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

```

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

```

```

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

```

### Added bibliographic resources attached to the PDF

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

```

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

```

**Added acronym definitions file attached to the PDF**

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

```

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

```

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

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

```

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

```

**Listings**

We define a style for all the listings which resets all the T<sub>E</sub>X 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 L<sup>A</sup>T<sub>E</sub>X listings.

```

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

```

The `listings` package defines some of the L<sup>A</sup>T<sub>E</sub>X’s environments as keywords of order 1. This would force us to do the same in our own language driver file but would ruin our effort to stylize in a special way (in red) other keywords (see `otherkeywords={...}`) that are stylized as keywords of order 1. Hence, we delete these keywords of order 1 and will add them as keywords of order 2 like all the environments in our own language driver file (in the extendedLaTeX dialect that we load by default).

```

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

```

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

```

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

```

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

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

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

```

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

```

The functions :

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

```

1 \cs_new_protected:Npn __letgut_code_result_mention_box: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{hideliinks} \c_space_tl :~#1 }
21 }
22 \cs_new_protected:Nn __letgut_on_callout_page:nn
23 {
24 \tl_set:Nn \l_tmpa_int {\getpagerefnnumber{#1}}
25 \tl_set:Nn \l_tmpb_int {\thepage}
26 \int_compare:nNnF {\l_tmpa_int} = {\l_tmpb_int}
27 {#2}
28 }

```

We define the style of the codes.



```

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

```

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

```

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

```

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

```

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

```

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

```

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

```

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

```

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

```

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

```

1 sidebyside@true/.code={%
2 \tcb@sidebysidetrue%
3 \tcb@isbreakablefalse%
4 \pgfkeysalso{floatplacement=ht}%

```

```

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

```

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

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

We now define the environments that let us display :

1. only  $\LaTeX$  code :

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

1. both  $\LaTeX$  code and its result :

(a) ordinary :

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

1. with the result obtained externally :

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

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

```
1 \skip_const:Nn \c__letgut_orig_intextsep_skip {\intextsep}
2 \skip_const:Nn \c__letgut_reduced_intextsep_skip {
3 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 ( $\TeX$  by default) for which we want syntax highlighting. This assumes that the commands and keywords of these packages are listed (properly, according to the listings package syntax) in the `'lstlang0.sty'` or `letgut-lstlang.sty` files.

```

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

```

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

```

1 \lstset{%
2 style=__letgut_reset_listings_styles,%
3 }
4 \tl_if_empty:nTF {#1} {
5 \tl_set:Nx \l_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_alsolanguage_list:nn {#2} {#1}
29 }

```

### Terminal listings

We define a command dedicated to terminal stdin and stdout.

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

We define a listing style specific to these terminal commands.

```

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

```

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

```

1 \lstdefinelanguage{terminal}{%
2 morekeywords={%
3 alias,bg,bind,break,builtin,caller,cd,command,compgen,%
4 complete,compopt,continue,declare,dirs,disown,echo,enable,%
5 eval,exec,exit,export,fc,fg,getopts,hash,help,history,%

```

```

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

```

We define some colors used in the terminal listings.

```

1 \definecolor{__letgut_foreground_terminal_dark}{named}{black}
2 \colorlet{__letgut_background_terminal_dark_stdin}{
3 letgut_pagecolor!95!gray
4 }
5 \colorlet{__letgut_background_terminal_dark_stdout}{
6 __letgut_background_terminal_dark_stdin!60
7 }
8 \definecolor{__letgut_foreground_terminal_light}{named}{black}
9 \definecolor{__letgut_background_terminal_light_stdin}{rgb}{
10 0.99,0.975,0.98

```

```

11 }
12 \colorlet{__letgut_background_terminal_light_stdout}{
13 __letgut_background_terminal_light_stdin!40
14 }
1 \bool_if:NTF \g__letgut_paper_bool {
2 \colorlet{__letgut_foreground_terminal}{
3 __letgut_foreground_terminal_light
4 }
5 \colorlet{__letgut_background_terminal_stdin}{
6 __letgut_background_terminal_light_stdin
7 }
8 \colorlet{__letgut_background_terminal_stdout}{
9 __letgut_background_terminal_light_stdout
10 }
11 }{
12 \colorlet{__letgut_foreground_terminal}{
13 __letgut_foreground_terminal_dark
14 }
15 \colorlet{__letgut_background_terminal_stdin}{
16 __letgut_background_terminal_dark_stdin
17 }
18 \colorlet{__letgut_background_terminal_stdout}{
19 __letgut_background_terminal_dark_stdout
20 }
21 }

```

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

```

1 \tcbset{%
2 terminal/.style={%
3 colupper=__letgut_foreground_terminal,
4 collower=__letgut_foreground_terminal,
5 breakable,
6 segmentation~ at~ break=false,
7 boxrule=0mm,
8 before~ lower={\tcbset{every~ listing~ line={}}},
9 listing~ options={%
10 style=__letgut_terminal_listings_style,
11 language=terminal,
12 },
13 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}{ 0{\}$ 0{ } +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 ¼
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

```

## (bibtex) Data model

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

— the books reviews,

— the books advertisements.

```

1 \ProvidesFile{letgut.lbx}[2023-01-14 v0.9.6 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}[2023-01-14 v0.9.6 letgut data model macros]
2 \DeclareBibliographyDriver{bookreview}{%
3 \usebibmacro{bibindex}%
4 \usebibmacro{begentry}%
5 \usebibmacro{author/editor+others/translator+others}%
6 \setunit{\printdelim{nametitle}}
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}[2023-01-14 v0.9.6 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 % % Les fichiers sources sont attachés au PDF si et seulement si la
73 % % Lettre est
74 % % à la fois en version pour les lecteurs (option `for-readers` activée
75 % % par
76 % % défaut) et en sortie écran (option `screen` activée par défaut). L'
77 % % option
78 % % `reverse-files-attachement` inverse ce comportement par défaut.
79 %
80 % , reverse-files-attachement
81 %
82 }
83
84 \setmainfont{TeX Gyre Schola} % Par exemple
85
86 \usepackage[maths=both]{duckuments}
87 \usepackage{mwe}
88
89 % \addbibresource{biblio.bib}
90
91 \begin{document}
92 \duckument
93 \end{document}
94
95 %%% Local Variables:
96 %%% TeX-engine: luatex
97 %%% TeX-master: t
98 %%% End:

```

### Example of an editorial

```

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

```

```

10 \caption{Ducks ?}
11 \label{fig:ducks}
12 \end{figure}
13
14 \lipsum[6-10]

```

## Informations about GUTenberg

```

1 % Hey, Emacs! This is a -*- mode: latex -*- file!
2
3 \enlargethispage{1.5cm}
4 \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 \acftug, 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 Researcher and Contributor \textsc{id}}%
26 [identifiant ouvert pour chercheur et contributeur]
27
28 \letgutacro[extra-foreign=souvent librement traduit en \enquote{foire
29 %aux questions}]
30 {FAQ}%
31 {Frequently Asked Questions}%
32 [questions fréquemment posées]
33
34 \letgutacro%
35 {SVG}%
36 {Scalable Vector Graphics}%
37 [graphiques vectoriels extensibles]
38
39 \letgutacro%
40 {DNS}%
41 {Domain Name System}%
42 [système de noms de domaine]
43
44 \letgutacro%
45 {VPS}%

```

```
46 {Virtual Private Server}%
47 [serveur dédié virtuel]
48
49 \letgutamacro%
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 \letgutamacro%
56 {OTF}%
57 {Open Type Format}%
58 []
59
60 \letgutamacro%
61 {DOI}%
62 {Digital Object Identifier}%
63 [identifiant numérique d'objet]
64
65 \letgutamacro%
66 {ISSN}%
67 {International Standard Serial Number}%
68 [numéro international normalisé des publications en série]
69
70 \letgutamacro%
71 {TUG}%
72 {\hologo{TeX} User Group}%
73 [groupe (international) d'utilisateurs de \hologo{TeX}]
74
75 \letgutamacro%
76 {WCAG}%
77 {Web Content Accessibility Guidelines}%
78 [directives sur l'accessibilité du contenu Web]
79
80 \letgutamacro%
81 {HTML}%
82 {HyperText Markup Language}%
83 [langage de balises pour l'hypertexte]
84
85 \letgutamacro%
86 {CSS}%
87 {Cascading Style Sheets}%
88 [feuilles de style en cascade]
89
90 \letgutamacro%
91 {UTF}%
92 {Universal (Character Set) Transformation Format}%
93 [format de transformation (du jeu) universel (de caractères codés)]
94
95 \letgutamacro[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 \letgutamacro%
151 {OS}%
152 {Operating System}%
153 [système d'exploitation]
154
155 \letgutamacro%
156 {BSD}%
157 {Berkeley Software Distribution}%
158 [collection de logiciels de Berkeley]
159
160 \letgutamacro%
161 {IMAP}%
162 {Internet Message Access Protocol}%
163 []
164
165 \letgutamacro%
166 {SMTP}%
167 {Simple Mail Transfer Protocol}%
168 [protocole simple de transfert de courrier]
169
170 \letgutamacro%
171 {RTF}%
172 {Rich Text Format}%
173 [format de texte enrichi]
174
175 \letgutamacro%
176 {WYSIWYG}%
177 {What You See Is What You Get}%
178 [ce que vous voyez est ce que vous obtenez]
179
180 \letgutamacro%
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 \letgutamacro%
188 {OFF}%
189 {Open Font Format}%
190 [format de fonte ouvert]
191
192 \letgutamacro%
193 {CSV}%
194 {Comma-separated values}%
195 [valeurs séparées par des virgules]
196
197 \letgutamacro%
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 {\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 \letgutamacro%
257 {INSPÉ}%
258 {\href{https://www.reseau-inspe.fr/}{Instituts Nationaux Supérieurs du
259 Professorat et de l'Éducation}}%
260
261 \letgutamacro[short=\textsc{gra}pp\textsc{a},short-format=\upshape]
262 {GRAppA}%
263 {Groupe de recherche en Apprentissage Automatique}%
264
265 \letgutamacro%
266 {BBB}%
267 {BigBlueButton}%
268
269 \letgutamacro%
270 {CV}%
271 {Curriculum Vitæ}%
272
273 \letgutamacro%
274 {RGPD}%
275 {Règlement Général sur la Protection des Données}%
276
277 \letgutamacro%
278 {NDLR}%
279 {Note de la Rédaction}%
280
281 \letgutamacro%
282 {BTS}%
283 {Brevet de Technicien Supérieur}%
284
285 \letgutamacro%
286 {APMEP}%
287 {Association des Professeurs de Mathématiques de l'Enseignement Public}%
288
289 \letgutamacro%
290 {PAO}%
291 {Publication Assistée par Ordinateur}%

```

### Language driver file

```

1 % \lst@definlanguage[...]{TeX}{%
2 % % Control sequences names
3 % moretexcs={%
4 % },%
5 % % Keywords of class 1 : keywords that contain other characters
6 % % (since of the same class as the ones specified as 'otherkeywords')
7 % morekeywords={%
8 % },%
9 % % Keywords of class 2 : environments names
10 % morekeywords=[2]{%
11 % },%

```

```

12 % % Keywords of class 3 : mandatory arguments (not environments) &
13 % % optional arguments which are keys (in key=value)
14 % morekeywords=[3]{%
15 % },%
16 % % Keywords of class 4 : values of keys (in key=value)
17 % morekeywords=[4]{%
18 % },%
19 % % Keywords of class 5 : arguments specifications (after ":" in expl3
20 % % syntax)
21 % morekeywords=[5]{%
22 % },%
23 % % Keywords of class 6 : current package name (and possibly derived
24 % % packages)
25 % morekeywords=[6]{%
26 % %
27 % },%
28 % % otherkeywords={},
29 % % alsoletter={},
30 % % alsodigit={},%
31 % % alsoother={},%
32 % % sensitive,%
33 % }[keywords, tex, comments]
34
35 \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, firalining, firatabular, firaproportional,
79 firathin, firalight, firaextralight, firaultralight, firamedium, firabook
80 ,
81 firasemibold, firaextrabold, firaheavy,%
82 }%
83 % Keywords of class 1 : keywords that contain other characters
84 % (since of the same class as the ones specified as 'otherkeywords')
85 morekeywords={%
86 },%
87 % Keywords of class 2 : environments names
88 morekeywords=[2]{%
89 },%
90 % Keywords of class 3 : mandatory arguments (not environments) &
91 % optional arguments which are keys (in key=value)
92 morekeywords=[3]{%
93 sfdefault, scaled, scale, type1, lining, lf, oldstyle, osf, tabular, t,
94 proportional,%
95 p, book, medium, mb, semibold, sb, light, l, extralight, ultralight, thin,%
96 extrabold, heavy, default,%
97 },%
98 % Keywords of class 4 : values of keys (in key=value)
99 morekeywords=[4]{%
100 },%
101 % Keywords of class 5 : arguments specifications (after ":" in expl3
102 % syntax)
103 morekeywords=[5]{%
104 },%
105 % Keywords of class 6 : current package name (and possibly derived
106 % packages)
107 morekeywords=[6]{%
108 FiraSans%
109 },%
110 % otherkeywords={},
111 alsoletter={1},
112 % alsodigit={},%
113 % alsoother={},%
114 sensitive,%
115 }[keywords, tex, comments]

```



```
114
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, bfcalf, frac, tt, sfup, sfit, bfup, bfit, bfscr,
454 bffrac,%
455 bbsfup, bbsfitt, 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 % Keywords of class 1 : keywords that contain other characters
478 % (since of the same class as the ones specified as 'otherkeywords')
479 morekeywords={%
480 },%
481 % Keywords of class 2 : environments names
482 morekeywords=[2]{%
483 },%
484 % Keywords of class 3 : mandatory arguments (not environments) &
485 % optional arguments which are keys (in key=value)
486 morekeywords=[3]{%
487 range
488 },%
489 % Keywords of class 4 : values of keys (in key=value)
490 morekeywords=[4]{%
491 },%
492 % Keywords of class 5 : arguments specifications (after ":" in expl3
493 % syntax)
494 morekeywords=[5]{%
495 },%
496 % Keywords of class 6 : current package name (and possibly derived
497 % packages)
498 morekeywords=[6]{%
499 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, gutenber, gut, lettre, lettregut, Cahier, %
693 Cahiers, letgut, letgutcls, knuth, lampport, 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 ctanews, 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, allcolorlinks, 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

```

```

736 %%
737 \lst@definlanguage[extendedLaTeX]{TeX}{%
738 % Control sequences names
739 moretexcs={%
740 Huge, LARGE, Large, LoadClass, NewCommandCopy, RequirePackage, %
741 ShowCommand, abovcaptionskip, abstractname, appendix, appendixname, %
742 arraycolsep, arrayrulewidth, author, backmatter, baselinestretch, %
743 belowcaptionskip, bf, bibindent, bibname, bigskipamount, bottomfraction,
744 %
745 brokenpenalty, cal, chapter, chaptermark, chaptername, clubpenalty, %
746 columnsep, columnseprule, contentsname, date, dblfloatpagefraction, %
747 dblfloatsep, dbltextfloatsep, dbltopfraction, descriptionlabel, %
748 displaywidowpenalty, doublerulesep, evensidemargin, fboxrule, fboxsep, %
749 figurename, floatpagefraction, floatsep, footins, footnoterule, %
750 footnotesep, footnotesize, footskip, frontmatter, headheight, headsep, %
751 huge, indexname, indexspace, interlinepenalty, intextsep, it, jot, %
752 labelenumi, labelenumii, labelenumiii, labelenumiv, labelitemfont, %
753 labelitemi, labelitemii, labelitemiii, labelitemiv, labelsep, %
754 labelwidth, large, leftmargin, leftmargini, leftmarginii, leftmarginiii,
755 %
756 leftmarginiv, leftmarginv, leftmarginvi, lineskip, listfigurename, %
757 listoffigures, listoftables, listtablename, mainmatter, maketitle, %
758 marginparpush, marginparsep, marginparwidth, maxdepth, medskipamount, %
759 mit, newblock, normallineskip, normalsize, oddsidemargin, paragraph, %
760 paragraphmark, parindent, parskip, part, partname, partopsep, %
761 postdisplaypenalty, predisplaypenalty, refname, rm, sc, scriptsize, %
762 section, sectionmark, setlength, sf, sl, small, smallskipamount, %
763 subitem, subparagraph, subparagraphmark, subsection, subsectionmark, %
764 subsubitem, subsubsection, subsubsectionmark, tabbingsep, tabcolsep, %
765 tablename, tableofcontents, textfloatsep, textfraction, textheight, %
766 textwidth, thechapter, theenumi, theenumii, theenumiii, theenumiv, %
767 theequation, theparagraph, thepart, thesection, thesubparagraph, %
768 thesubsection, thesubsubsection, tiny, title, today, topfraction, %
769 topmargin, topskip, tt, widowpenalty, %
770 },%
771 % Keywords of class 1 : keywords that contain other characters (since
772 % of the same class as the ones specified as 'otherkeywords')
773 morekeywords={%
774 },%
775 % Keywords of class 2 : environments names
776 morekeywords=[2]{%
777 abstract, array, center, description, displaymath, document, enumerate, %
778 eqnarray, equation, figure, flushleft, flushright, itemize, list, lrbox,
779 math, %
780 minipage, picture, quotation, quote, sloppypar, tabbing, table, tabular, %
781 thebibliography, theindex, titlepage, trivlist, verbatim, verse, %
782 },%
783 % Keywords of class 3 : mandatory arguments (not environments) &
784 % optional arguments which are keys (in key=value)
785 morekeywords=[3]{%
786 % c, cc, ccc, cccc, X, l,
787 empty, %

```

```

785 },%
786 % Keywords of class 4 : values of keys (in key=value)
787 morekeywords=[4]{%
788 },%
789 % Keywords of class 5 : arguments specifications (after ":" in expl3
790 % syntax)
791 morekeywords=[5]{%
792 },%
793 % Keywords of class 6 : current package name (and possibly derived
794 % packages)
795 morekeywords=[6]{%
796 %
797 },
798 otherkeywords={|},%
799 % alsoletter={},% alsodigit={},%
800 % alsoother={},%
801 sensitive,%
802 }[keywords, tex, comments]%
803
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, thelstlabel, thelstlisting,%
814 thelstnumber,%
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,

```

```

%
836 [2005]Ada, [3.0]Mathematica, [5.0]Lua, [5.1]Lua, [5.2]Lua, %
837 [5.2]Mathematica, [5.3]Lua, [60]Algo1, [67]Simula, [68]Algo1, %
838 [77]Fortran, [83]Ada, [90]Fortran, [95]Ada, [95]Fortran, [97]VRML, %
839 [AMS]VHDL, [ANSI]C, [ANSI]C++, [AllaTeX]TeX, [AspectJ]Java, [Auto]Lisp, %
840 [Borland6]Pascal, [CII]Simula, [CORBA]IDL, [DEC]Simula, [GNU]C++, %
841 [Handel]C, [IBM]Simula, [ISO]C++, [LaTeX]TeX, [Motorola68k]Assembler, %
842 [OMG]OCL, [Objective]C, [Objective]Caml, [PLUS]S, [POSIX]Awk, [R/2
843 4.3]ABAP, [R/2 5.0]ABAP, [R/3 3.1]ABAP, [R/3 4.6C]ABAP, [R/3 6.10]ABAP,
%
844 [Sharp]C, [Standard]Pascal, [VM/XA]Rexx, [Visual]Basic, [Visual]C++, %
845 [WinXP]command.com, [XSC]Pascal, [common]TeX, [decorative]OCL, %
846 [empty]IDL, [empty]Java, [empty]Lisp, [empty]Rexx, [empty]S, %
847 [empty]VHDL, [empty]make, [empty]tcl, [gnu]Awk, [gnu]make, [ibm]Cobol, %
848 [light]Caml, [plain]TeX, [primitive]TeX, [tk]tcl, [x86masm]Assembler, %
849 abovecaptionkip, aboveskip, alsodigit, alsolanguage, alsoletter, %
850 alsoother, backgroundcolor, basewidth, bash, basicstyle, %
851 belowcaptionkip, belowskip, boxpos, breakatwhitespace, breakautoindent
%,
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 deletetxcs, delim, directives, directivestyle, draft, elisp, emph, %
858 emphstyle, emptylines, erlang, escapebegin, escapechar, escapeend, %
859 escapeinside, extendedchars, fancyvrb, fillcolor, final, firstline, %
860 firstnumber, flexiblecolumns, float, floatplacement, fontadjust, %
861 formats, formfeed, frame, frameround, framerule, framesep, frameshape, %
862 framexbottommargin, framexleftmargin, framexrightmargin, %
863 framextopmargin, fvcmdparams, gobble, hansl, hyper, hyperanchor, %
864 hyperlink, hyperref, identifierstyle, includerangemarkers, index, %
865 indexprocnames, indexstyle, inform, inputencoding, inputpath, %
866 keepspaces, keywordcomment, keywordcommentsemicolon, keywords, %
867 keywordsprefix, keywordstyle, ksh, label, language, lastline, lgrind, %
868 lgrinddef, linerange, lineskip, linewidth, literate, make, makemacrouse, %
869 markfirstintag, mathescape, morecomment, moredelim, moredirectives, %
870 moreemph, moreendkeywords, morefvcmdparams, morehyperref, moreindex, %
871 morekeywordcomment, morekeywords, moreprocnamekeys, morestring, %
872 moretexcs, multicol, name, ndkeywords, ndkeywordstyle, noaspects, %
873 nolol, numberblanklines, numberbychapter, numberfirstline, numbers, %
874 numbersep, numberstyle, otherkeywords, podcomment, postbreak, prebreak, %
875 print, printpod, procnamekeys, procnames, procnamestyle, %
876 rangebeginprefix, rangebeginsuffix, rangeendprefix, rangeendsuffix, %
877 rangeprefix, rangesuffix, resetmargins, rulecolor, rulesep, %
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,%
954 bool_xor, bool_xor_p, box_autosize_to_wd_and_ht,%
955 box_autosize_to_wd_and_ht_plus_dp, box_clear, box_clear_new, box_clip,
956 %
957 box_dp, box_gautosize_to_wd_and_ht,
958 box_gautosize_to_wd_and_ht_plus_dp,%
959 box_gclear, box_gclear_new, box_gclip, box_gresize_to_ht,%
960 box_gresize_to_ht_plus_dp, box_gresize_to_wd,
961 box_gresize_to_wd_and_ht,%
962 box_gresize_to_wd_and_ht_plus_dp, box_grotate, box_gscale, box_gset_dp
963 ,%
964 box_gset_eq, box_gset_eq_drop, box_gset_ht, box_gset_to_last,%
965 box_gset_trim, box_gset_viewport, box_gset_wd, box_ht, box_ht_plus_dp,%
966 box_if_empty, box_if_empty_p, box_if_exist, box_if_exist_p,%
967 box_if_horizontal, box_if_horizontal_p, box_if_vertical,%
968 box_if_vertical_p, box_log, box_move_down, box_move_left,%
969 box_move_right, box_move_up, box_new, box_resize_to_ht,%
970 box_resize_to_ht_plus_dp, box_resize_to_wd, box_resize_to_wd_and_ht,%
971 box_resize_to_wd_and_ht_plus_dp, box_rotate, box_scale, box_set_dp,%
972 box_set_eq, box_set_eq_drop, box_set_ht, box_set_to_last, box_set_trim,
973 %
974 box_set_viewport, box_set_wd, box_show, box_use, box_use_drop, box_wd,%
975 c_alignment_token, c_ampersand_str, c_at_sign_str, c_backslash_str,%
976 c_catcode_active_space_tl, c_catcode_active_tl,
977 c_catcode_letter_token,%
978 c_catcode_other_space_tl, c_catcode_other_token, c_circumflex_str,%
979 c_code_cctab, c_colon_str, c_document_cctab, c_dollar_str, c_e_fp,%
980 c_empty_box, c_empty_clist, c_empty_coffin, c_empty_prop, c_empty_seq,%
981 c_empty_tl, c_false_bool, c_group_begin_token, c_group_end_token,%
982 c_hash_str, c_inf_fp, c_initex_cctab, c_left_brace_str, c_log_iow,%
983 c_math_subscript_token, c_math_superscript_token, c_math_toggle_token
984 ,%
985 c_max_char_int, c_max_dim, c_max_int, c_max_muskip, c_max_register_int,
986 %
987 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, %
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,%
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,farray_count,farray_gset,farray_gzero,%
1063 farray_item,farray_item_to_tl,farray_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, %
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, %

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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, %
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, %
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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, %
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, %

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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, %
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,
tl_if_head_eq_charcode, %
1232 tl_if_head_eq_charcode_p, tl_if_head_eq_meaning, %
1233 tl_if_head_eq_meaning_p, tl_if_head_is_N_type, tl_if_head_is_N_type_p
, %
1234 tl_if_head_is_group, tl_if_head_is_group_p, tl_if_head_is_space, %
1235 tl_if_head_is_space_p, tl_if_in, tl_if_novalue, tl_if_novalue_p, %
1236 tl_if_single, tl_if_single_p, tl_if_single_token, tl_if_single_token_p
, %
1237 tl_item, tl_log, tl_map_break, tl_map_function, tl_map_inline, %
1238 tl_map_tokens, tl_map_variable, tl_new, tl_put_left, tl_put_right, %
1239 tl_rand_item, tl_range, tl_range_braced, tl_range_unbraced, %
1240 tl_remove_all, tl_remove_once, tl_replace_all, tl_replace_once, %
1241 tl_rescan, tl_reverse, tl_reverse_items, tl_set, tl_set_eq, %
1242 tl_set_rescan, tl_show, tl_sort, tl_tail, tl_to_str, tl_trim_spaces, %
1243 tl_trim_spaces_apply, tl_use, token_case_catcode, token_case_charcode,
%
1244 token_case_meaning, token_if_active, token_if_active_p, %
1245 token_if_alignment, token_if_alignment_p, token_if_chardef, %
1246 token_if_chardef_p, token_if_cs, token_if_cs_p, token_if_dim_register,
%
1247 token_if_dim_register_p, token_if_eq_catcode, token_if_eq_catcode_p, %
1248 token_if_eq_charcode, token_if_eq_charcode_p, token_if_eq_meaning, %
1249 token_if_eq_meaning_p, token_if_expandable, token_if_expandable_p, %
1250 token_if_font_selection, token_if_font_selection_p, %
1251 token_if_group_begin, token_if_group_begin_p, token_if_group_end, %
1252 token_if_group_end_p, token_if_int_register, token_if_int_register_p,
%
1253 token_if_letter, token_if_letter_p, token_if_long_macro, %
1254 token_if_long_macro_p, token_if_macro, token_if_macro_p, %
```

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1255 token_if_math_subscript, token_if_math_subscript_p, %
1256 token_if_math_superscript, token_if_math_superscript_p, %
1257 token_if_math_toggle, token_if_math_toggle_p, token_if_mathchardef, %
1258 token_if_mathchardef_p, token_if_muskip_register, %
1259 token_if_muskip_register_p, token_if_other, token_if_other_p, %
1260 token_if_parameter, token_if_parameter_p, token_if_primitive, %
1261 token_if_primitive_p, token_if_protected_long_macro, %
1262 token_if_protected_long_macro_p, token_if_protected_macro, %
1263 token_if_protected_macro_p, token_if_skip_register, %
1264 token_if_skip_register_p, token_if_space, token_if_space_p, %
1265 token_if_toks_register, token_if_toks_register_p, token_to_meaning, %
1266 token_to_str, unvcopy, use, use_i, use_i_delimit_by_q_nil, %
1267 use_i_delimit_by_q_recursion_stop, use_i_delimit_by_q_stop, use_ii,
%
1268 use_ii, use_ii_i, use_iii, use_iv, use_none, use_none_delimit_by_q_nil, %
1269 use_none_delimit_by_q_recursion_stop, use_none_delimit_by_q_stop, %
1270 use_none_delimit_by_s_stop, vbox, vbox_gset, vbox_gset_end, %
1271 vbox_gset_split_to_ht, vbox_gset_to_ht, vbox_gset_top, vbox_set, %
1272 vbox_set_end, vbox_set_split_to_ht, vbox_set_to_ht, vbox_set_top, %
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={},%
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)
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={},%
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 },%

```

```
1513 % Keywords of class 6 : current package name (and possibly derived
1514 % packages)
1515 morekeywords=[6]{%
1516 pdfmanagement-testphase,%
1517 },
1518 otherkeywords={:},%
1519 alsoletter={_-},%
1520 % alsodigit={},%
1521 % alsoother={},%
1522 sensitive,%
1523 }[keywords, tex, comments]%
1524
1525 \lst@definlanguage[rotating]{TeX}{%
1526 % Control sequences names
1527 moretexcs={%
1528 },%
1529 % Keywords of class 1 : keywords that contain other characters (since
1530 % of the same class as the ones specified as 'otherkeywords')
1531 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,%
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 %
1654 frenchenclname,frenchccname,frenchheadtoname,frenchpagename,%
1655 frenchseenname,frenchalsoname,frenchproofname%,%
1656 frquote,%
1657 },%
1658 % Keywords of class 1 : keywords that contain other characters (since
1659 % of the same class as the ones specified as 'otherkeywords')
1660 morekeywords={%
1661 },%
1662 % Keywords of class 2 : environments names
1663 morekeywords=[2]{%
1664 },%
1665 % Keywords of class 3 : mandatory arguments (not environments) &
1666 % optional arguments which are keys (in key=value)
1667 morekeywords=[3]{%

```

```

1668 },%
1669 % Keywords of class 4 : values of keys (in key=value)
1670 morekeywords=[4]{%
1671 },%
1672 % Keywords of class 5 : arguments specifications (after ":" in expl3
1673 % syntax)
1674 morekeywords=[5]{%
1675 },%
1676 % Keywords of class 6 : current package name (and possibly derived
1677 % packages)
1678 morekeywords=[6]{%
1679 babel-french,%
1680 },%
1681 % otherkeywords={},%
1682 alsoletter={-},%
1683 % alsodigit={},%
1684 % alsoother={},%
1685 sensitive,%
1686 }[keywords, tex, comments]%
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)
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 %
1781 destlabel,draft,driverfallback,dvipdfm,dvipdfmx,dvips,dvipsoneline,%
1782 dviwindo,encap,extension,filebordercolor,filecolor,final,%
1783 frenchlinks,hidelinks,hyperfigures,hyperfootnotes,hyperindex,%
1784 hypertex,hypertextnames,implicit,latex2html,linkbordercolor,%
1785 linkcolor,linktoc,linktocpage,menubordercolor,menucolor,nativepdf,%
1786 naturalnames,nesting,next-anchor,pageanchor,pagebackref,pdfauthor,%
1787 pdfborder,pdfborderstyle,pdfcenterwindow,pdfcreator,pdfdirection,%
1788 pdfdisplaydoctitle,pdfduplex,pdffitwindow,pdfhighlight,pdfinfo,%
1789 pdfkeywords,pdflang,pdfmark,pdfmenubar,pdfnewwindow,%
1790 pdfnonfullscreenpagemode,pdfnumcopies,pdfpagelabels,pdfpagelayout,%
1791 pdfpagemode,pdfpagescrop,pdfpagetransition,pdfpicktraybypdfsize,%
1792 pdfprintarea,pdfprintclip,pdfprintpagerange,pdfprintscaling,%
1793 pdfproducer,pdfremotestartview,pdfstartpage,pdfstartview,pdfsubject
1794 ,%
1795 pdftex,pdftitle,pdftoolbar,pdftrapped,pdfview,pdfviewarea,%
1796 pdfviewclip,pdfwindowui,plainpages,ps2pdf,psdextra,raiselinks,%
1797 runbordercolor,runcolor,setpagesize,tex4ht,textures,unicode,%
1798 urlbordercolor,urlcolor,verbose,vtex,xetex,%
1799 },%
1800 % Keywords of class 4 : values of keys (in key=value)
1801 morekeywords=[4]{%
1802 },%
1803 % Keywords of class 5 : arguments specifications (after ":" in expl3
1804 % syntax)
1805 morekeywords=[5]{%
1806 },%
1807 % Keywords of class 6 : current package name (and possibly derived
1808 % packages)
1809 morekeywords=[6]{%
1810 hyperref,%
1811 },%
1812 % otherkeywords={},%
1813 alsoletter={*},%
1814 % alsodigit={},%
1815 % alsoother={},%
1816 sensitive,%
1817 }[keywords, tex, comments]%
1818
1819 \lst@definlanguage[graphicx]{TeX}{%
1820 % Control sequences names
1821 moretexcs={%
1822 includegraphics,includegraphics*,definecolor,color,textcolor,%
1823 mathcolor,pagcolor,nopagcolor,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, dvipson, %
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@definlanguage[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, layoutsize, 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, ansiapaper, 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 \lst@definlanguage[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,cap,cape,%
2015 cheese,chef,cocktail,conicalhat,crazyhair,cricket,crown,crozier,%
2016 crystalball,darthvader,devil,easter,egga,egg,eggc,eye,eyebrow,%
2017 flavoura,flavourb,flavourc,football,glasses,graduate,grumpy,%
2018 handbag,harlequin,hat,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,niuqelrah,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@definelanguage[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 IfValueT,IfValueF,IfValueTF,IfBooleanT,IfBooleanF,IfBooleanTF,%
2136 BooleanTrue,BooleanFalse,ProcessedArgument,ReverseBoolean,%
2137 SplitArgument,SplitList,ProcessList,TrimSpaces,%
2138 GetDocumentCommandArgSpec,GetDocumentEnvironmentArgSpec,%
2139 ShowDocumentCommandArgSpec,ShowDocumentEnvironmentArgSpec,%
2140 },%
2141 % Keywords of class 1 : keywords that contain other characters (since
2142 % of the same class as the ones specified as 'otherkeywords')
2143 morekeywords={%
2144 },%
2145 % Keywords of class 2 : environments names
2146 morekeywords=[2]{%
2147 },%
2148 % Keywords of class 3 : mandatory arguments (not environments) &
2149 % optional arguments which are keys (in key=value)
2150 morekeywords=[3]{%
2151 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, morecmidrules,%
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 \lst@definlanguage[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 % tabulararray
2493 %%%
2494 \lst@definlanguage[tabulararray]{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,
fontspec,%
2609 liningnums,newAATfeature,newfontface,newfontfamily,newfontfeature,%
2610 newfontlanguage,newfontscript,newopentypefeature,oldstylenums,%
2611 providefontface,providefontfamily,renewfontface,renewfontfamily,%
2612 setboldmathrm,setfontface,setfontfamily,setmainfont,setmathrm,%
2613 setmathsf,setmathtt,setmonofont,setromanfont,setsansfont,strong,%
2614 strongfontdeclare,strongresetsetmainfont,%
2615 },%
2616 % Keywords of class 1 : keywords that contain other characters (since
2617 % of the same class as the ones specified as 'otherkeywords')
2618 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,
ItalicFeatures,%
2629 CharacterVariant,CharacterWidth,Color,Colour,Contextuals,%
2630 Diacritics,Extension,FakeBold,FakeSlant,FakeStretch,Font,FontFace,%
2631 Fractions,HyphenChar,IgnoreFontspecFileItalicFeatures,ItalicFont,%
2632 Kerning,Language,LetterSpace,Letters,Ligatures,LocalForms,%
2633 NFSSFamilY,Numbers,OpticalSize,Ornament,Path,PunctuationSpace,%
2634 RawFeature,Scale,ScaleAgain,Script,Size,SizeFeatures,%
2635 SlantedFeatures,SlantedFont,SmallCapsFeatures,SmallCapsFont,Style,%
2636 StylisticAlternates,StylisticSet,SwashFeatures,SwashFont,%
2637 UprightFeatures,UprightFont,Variant,Vertical,VerticalPosition,%
2638 WordSpace,Mapping,Renderer,Traditional,Simplified,JIS1978,JIS1983,%
2639 JIS1990,Expert,NLC,%
2640 },%
2641 % Keywords of class 4 : values of keys (in key=value)
2642 morekeywords=[4]{%
2643 AboveBase,Alternate,AlternateHalf,AlternateMetrics,%
2644 AlternateProportional,Alternates,AlternatesForRotation,Arabic,%
2645 ArabicOff,BelowBase,Common,Contextual,Cursive,Denominator,%
2646 Discretionary,Expert,Full,Half,HalfMetrics,Historic,%
2647 HorizontalKana,Inferior,Inner,Italic,JIS1978,JIS1983,JIS1990,%
2648 KanaAlternates,Kerning,LineFinal,Lining,LiningOff,Lowercase,%
2649 LowercaseOff,MarkToBase,MarkToMark,Monospaced,MonospacedOff,NLC,%
2650 Numerator,Off,OldStyle,OldStyleOff,On,Ordinal,PetiteCaps,%

```

```
2651 Proportional,ProportionalMetrics,ProportionalOff,Quarter,Rare,%
2652 Required,Reset,ResetAll,RotatedGlyphs,Ruby,ScientificInferior,%
2653 Simplified,SlashedZero,SlashedZeroOff,SmallCaps,Superior,Swash,%
2654 TeX,Thurd,Titling,Traditional,Unicase,Uppercase,UppercaseOff,%
2655 UppercasePetiteCaps,UppercaseSmallCaps,VerticalKana,WordFinal,%
2656 WordInitial,ResetAll,c2sc,scmp,sinf,sups,zero,ss06,ss01,%
2657 ss04,-liga,frac,titl,swsh,hist,hlig,MatchUppercase,MatchLowercase,%
2658 },%
2659 % Keywords of class 5 : arguments specifications (after ":" in expl3
2660 % syntax)
2661 morekeywords=[5]{%
2662 },%
2663 % Keywords of class 6 : current package name (and possibly derived
2664 % packages)
2665 morekeywords=[6]{%
2666 fontspec%
2667 },%
2668 % otherkeywords={},%
2669 alsoletter={20614-},%
2670 % alsodigit={},%
2671 % alsoother={},%
2672 sensitive,%
2673 }[keywords, tex, comments]%
2674
2675 \lst@definelanguage[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)
2780 morekeywords=[6]{%
2781 tkz-fct },%
2782 % otherkeywords={},
2783 % alsoletter={},
2784 % alsodigit={},%
2785 % alsoother={},%
2786 sensitive,%
2787 }[keywords,tex,comments]%
2788
2789 \lstdefinlanguage[tkz-tab]{TeX}{%
2790 % Control sequences names
2791 moretexcs={%
2792 tkzTabInit,tkzTabLine,tkzTabVar,%
2793 },%
2794 % Keywords of class 1 : keywords that contain other characters (since
2795 % of the same class as the ones specified as 'otherkeywords')
2796 morekeywords={%
2797 },%
2798 % Keywords of class 2 : environments names
2799 morekeywords=[2]{%
2800 tikzpicture,%
2801 },%
2802 % Keywords of class 3 : mandatory arguments (not environments) &
2803 % optional arguments which are keys (in key=value)
2804 morekeywords=[3]{%
2805 lgt,espcl,t,d,z,+,-,-D+/,+/, -/,+D/,scale,%
2806 },%

```

```
2807 % Keywords of class 4 : values of keys (in key=value)
2808 morekeywords=[4]{%
2809 },%
2810 % Keywords of class 5 : arguments specifications (after ":" in expl3
2811 % syntax)
2812 morekeywords=[5]{%
2813 },%
2814 % Keywords of class 6 : current package name (and possibly derived
2815 % packages)
2816 morekeywords=[6]{%
2817 tkz-tab },%
2818 % otherkeywords={},%
2819 alsoletter={+/-},%
2820 % alsodigit={},%
2821 % alsoother={},%
2822 sensitive,%
2823 }[keywords,tex,comments]%
2824
2825 \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, pinyinline,%
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@definelanguage[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@definelanguage[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@definelanguage[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@definlanguage[biolinum]{TeX}{%
3250 % Control sequences names
3251 moretexcs={%
3252 biolinum,biolinum0sF,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,LMouseIIEmpty,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,Acaron,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,itolde,uni0129,Imacron,%
3326 uni012A,imacron,uni012B,Ibreve,uni012C,ibreve,uni012D,Iogonek,%

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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, rhoorturned. 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, hookabovecomb, 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, %



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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, H22073, 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, %
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, hookabovecomb.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,%
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, bookssubtitle, 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, iswc, 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,%

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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, francais, %
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-icomp, %
3500 authortitle, authortitle-comp, authortitle-ibid, authortitle-icomp, %
3501 authortitle-terse, authortitle-tcomp, authortitle-ticomp, verbose, %
3502 verbose-ibid, verbose-note, verbose-inote, verbose-trad1, verbose-trad
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, %

```

```

3532 },%
3533 % Keywords of class 1 : keywords that contain other characters (since
3534 % of the same class as the ones specified as 'otherkeywords')
3535 morekeywords={%
3536 },%
3537 % Keywords of class 2 : environments names
3538 morekeywords=[2]{%
3539 },%
3540 % Keywords of class 3 : mandatory arguments (not environments) &
3541 % optional arguments which are keys (in key=value)
3542 morekeywords=[3]{%
3543 % begin,end,
3544 before,after,begindocument,begindocument/before,%
3545 begindocument/end,endeddocument,endeddocument/afterlastpage,%
3546 endeddocument/afteraux,endeddocument/info,endeddocument/end,env,%
3547 },%
3548 % Keywords of class 4 : values of keys (in key=value)
3549 morekeywords=[4]{%
3550 },%
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 13keys2e },%
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
```

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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=value)
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, aclp, acp, %
3683 areset, aresetall, acrocite, acrodefinite, 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,

```

```

%
3687 acroiftagTF,acroifusedTF,acroindefinite,acrolistname,acroneedpages,
%
3688 acronopagerange,acronymsmap,acronymsmapF,acronymsmapTF,acropagefill
%,%
3689 acropages,acroplural,acropossessive,acropreamble,acroshow,%
3690 acrotranslate,acroupper,acrowrite,acs,acsetup,acsp,acspace,%
3691 acswitchoff,acswitchon,acuse,dacs,declareAcronym,iac,iaca,iacf,%
3692 iacl,iacs,iacsg,printacronyms,%
3693 %
3694 acro_locale,acro_if_foreign,acro_if_locale,__acro_foreign_language,
%
3695 acro_property_get,acro_property_if_set,acro_property_get,%
3696 },%
3697 % Keywords of class 1 : keywords that contain other characters (since
3698 % of the same class as the ones specified as 'otherkeywords')
3699 morekeywords={%
3700 },%
3701 % 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 caption,%
3710 case-insensitive,%case-sensitive,%chapter,chapter*,cite,clear,cmd,%
3711 deactivate,define,description,disable,display,exclude,extra,%
3712 extra-acc,extra-foreign,extra-format,extra-long,fill,first,%
3713 first-long,first-long-format,first-style,first-style ,floats,%
3714 footnote,foreign,foreign,foreign-acc,foreign-babel,foreign-format ,
%
3715 foreign-locale,foreign-plural,foreign-plural-form,format,format,%
3716 group,heading,id,include,index,index,index-cmd,index-sort,%
3717 language,link-only-first,list,list,list-acc,list-format,%
3718 list/display,lists,load-style,local,locale,lof,long,long,%
3719 long-acc,long-format,long-indefinite,long-plural,long-plural-ending
%,%
3720 long-plural-form,long-post,long-short,longtable,longtabu,lppl,%
3721 ltxtable,make-links,maketitle,method,name,no-index,none,options,%
3722 pages,pdf,pdf,pdfcomment,pdfcomment/cmd,pdfcomment/use,pdfstring,%
3723 post,pre,preamble,preset,replace,reset,section,section*,short,%
3724 short,short,short-acc,short-format,short-indefinite,short-long,%
3725 short-plural,short-plural-ending,short-plural-form ,show,single,%
3726 single,single,single-acc threshold,single-format
3727 title,single-style,%
3728 single-style,sort,sort,subsequent-style,subsequent-style,%
3729 supertabular,tabular,tabularx,tag,upgrade,use,use-id-as-short,%
3730 uselist,version,%
3731 },%

```



```

3732 % Keywords of class 4 : values of keys (in key=value)
3733 morekeywords=[4]{%
3734 },%
3735 % Keywords of class 5 : arguments specifications (after ":" in expl3
3736 % syntax)
3737 morekeywords=[5]{%
3738 },%
3739 % Keywords of class 6 : current package name (and possibly derived
3740 % packages)
3741 morekeywords=[6]{%
3742 acro%
3743 },%
3744 % otherkeywords={},%
3745 alsoletter={-},%
3746 % alsodigit={},%
3747 % alsoother={},%
3748 sensitive,%
3749 }[keywords, tex, comments]%
3750
3751 \lst@definelanguage[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 exttikzpicture,foauxenv,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 full, fuzzy, gap, gather\*, gather, geometry, german, goal, graphical, %  
 3845 graphics, group, grow, halign, halo, hanging, hbox, head, height, %  
 3846 hidden, hide, higher, highlight, hooks, horizontal, hyperlink, hyperref, %  
 3847 hypertarget, hyperurl\*, hyperurl, hyphenationfix, if, ignore, image, in, %  
 3848 indent, index\*, index, inherit, initially, input, inputencoding, inside, %  
 3849 interior, into, invisible, inwards, is, jigsaw, jpg, key, keypath, keys, %  
 3850 keywords, label, language, large, last, latex, layer, layers, left\*, %  
 3851 left, lefthand, leftlower, leftright, leftrule, lefttitle, leftupper, %  
 3852 length, lengths, level, lifted, limit, line\*, line, lines, **list**, %  
 3853 listing! , listing, listings, listingsutf, lower\*, lower, lowerbox, %  
 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, ctxdoc, 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, ffslides, 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,

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3991 hithesis, hitreport, hitszthesis, hletter, hpsdiss, fsbispit,  
3992 huawei, hustthesis, icsv, IEEEconf, IEEEtran, ijmart, ijsra,  
3993 image-gallery, IMTEKda, inkpaper, invoice-class, iodhbwm, iscram,  
3994 isov2, isodoc, iwhdp, jacow, jlreq, jmlr, jmlrbook, jnuexam, jpsj2,  
3995 jura, jurabook, juraovw, juraurtl, kdgcoursetext, 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, mugstthesis, muling, musuos, muthesis, third-rep, mwart,  
4006 mwbk, mwrep, mycv, nature, ncc, nccproc, sibjnm, nddiss2e,  
4007 ndsu-thesis, newlfm, nih, nihbiosketch, njurepo, nlctdoc, nostarch,  
4008 nrc1, nrc2, artikel1, artikel2, artikel3, boek, boek3, brief,  
4009 rapport1, rapport3, nwejm, nwejmart, octavo, onrannual,  
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, sesmanuel, seuthesix, 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-vorl, sslides, stage, standalone, usthesis, 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, ucbbthesis, ucdavisthesis, ucsmonograph, ucthesis,  
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,

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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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BroUillon

# GUTenberg

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

secretariat[at]gutenberg[dot]eu[dot]org

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

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

**Problèmes techniques :**

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

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

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

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

## ADHÉSION À L'ASSOCIATION

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

### Tarifs 2023

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

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

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

| Type d'adhésion                               | Prix  |
|-----------------------------------------------|-------|
| Membre individuel                             | 30 €  |
| Membre individuel + adhésion rug              | 95 €  |
| Membre individuel étudiant/demandeur d'emploi | 15 €  |
| Membre individuel étudiant + adhésion rug     | 55 €  |
| Association d'étudiants                       | 65 €  |
| Organisme à but non lucratif                  | 130 € |
| Organisme à but lucratif                      | 229 € |

## Règlements

Les règlements peuvent s'effectuer par :

- **virement bancaire**<sup>2</sup> (IBAN : FR76 1870 7000 3003 0191 3568 475)

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

- Paypal<sup>2</sup> : <https://www.gutenberg-asso.fr/?Adherer-en-ligne>
- bulletin et chèque<sup>2</sup> : <https://www.gutenberg-asso.fr/?Adherer-a-l-association>

**La Lettre GUTenberg**  
Bulletin irrégulomestriel de l'association GUTenberg  
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75001 Paris  
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2. Nous vous remercions de privilégier le virement bancaire.