

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

Support for the newsletter “La Lettre GUTenberg”

Association GUTenberg

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

GUTenberg

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Identification

```

1 % This is file `letgut.cls',
2 % generated with the Emacs Org-babel utility.
3 %
4 % The original source file is letgut.org
5 %
6 % -----:| -----
7 % letgut:| Class for the newsletter “La Lettre GUTenberg”
8 % Author:| Association GUTenberg
9 % E-mail:| secretariat@gutenberg.eu.org
10 % License:| Released under the LaTeX Project Public License
11 %          | v1.3c or later
12 % See:| http://www.latex-project.org/lppl.txt
13 %
14 % Copyright (C) 1994-2022 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 L^AT_EX 2_ε, so we make sure that an appropriate message is displayed when another T_EX 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_gutenberg_tl { GUTenberg }
4 \tl_const:Nn \c__letgut_Lettre_gutenberg_tl {
5   \c__letgut_Lettre_tl~\c_space_tl \c__letgut_gutenberg_tl
6 }
7 \tl_const:Nn \c__letgut_la_lettre_gutenberg_tl {
8   la~ \c__letgut_Lettre_gutenberg_tl
9 }
10 \tl_const:Nn \c__letgut_La_lettre_gutenberg_tl {

```

```

11   \text_titlecase_first:n \c__letgut_la_lettre_gutenberg_tl
12   }
13   \ExplSyntaxOff

```

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

```

1   \ProvidesExplClass{letgut}
2   {2022-10-03}
3   {0.9.4}
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
```

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 subsection 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

```

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

```

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:nn{letgut}{Not~month~iso~date}{#1}
17     \tl_gset:Nn \g__letgut_date_tl { #1 }
18   }
19 }
20
21 \prg_new_protected_conditional:Npnn
22 \__letgut_if_is_iso_date:n #1 { T, F, TF }
23 {
24   \regex_match:nnTF { ^\d{4}-(\d{1,2}) } {#1}
25   { \prg_return_true: }
26   { \prg_return_false: }
27 }
28
29 \prg_new_protected_conditional:Npnn
30 \__letgut_if_is_int:n #1 { T, F, TF }
31 {
32   \regex_match:nnTF { ^[\+|-]?[\d]+$ } {#1}
33   { \prg_return_true: }
34   { \prg_return_false: }
35 }
36
37 \cs_new_protected:Npn \__letgut_month_name:n #1
38 {
39   % \text_titlecase_first:n {
40   \int_case:nnF
41   { #1 }
42   {
43     { 1 }{ janvier }
44     { 2 }{ février }
45     { 3 }{ mars }
46     { 4 }{ avril }
47     { 5 }{ mai }
48     { 6 }{ juin }
49     { 7 }{ juillet }
50     { 8 }{ août }
51     { 9 }{ septembre }
52     { 10 }{ octobre }
53     { 11 }{ novembre }
54     { 12 }{ décembre }
55   }
56   { Month~ Error! }
57   % }
58 }
59
60 \cs_new_protected:Npn \__letgut_date_parse:www #1-#2
61 \q_stop
62 {
63   \int_compare:nTF
64   {
65     \the\year <= #1 <= \the\year+1
66   }{
67     \int_gset:Nn \g__letgut_date_year_int {#1}
68   }
69 }

```

```

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
11    }
12    {
13      \int_gset:Nn \g__letgut_date_month_int {#2}}
14    {\int_gset:Nn \g__letgut_date_month_int {\the\month}}
15  }{
16    \int_gset:Nn \g__letgut_date_month_int {\the\month}
17  }
18  \tl_gset:Nn \g__letgut_date_month_tl {
19    \__letgut_month_name:n { \g__letgut_date_month_int }
20  }
21  \tl_gset:Nn \g__letgut_date_tl {
22    \tl_use:N \g__letgut_date_month_tl
23    \c_space_tl
24    \int_use:N \g__letgut_date_year_int
25  }

```

Class and package loading

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

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

We now load some packages.

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

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

— For subliminal refinements towards typographical perfection.

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

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

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

— Extensive control of page headers and footers in $\LaTeX 2_{\epsilon}$.

```
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}`
— Several logos and ornaments.
- 1 `\RequirePackage{fourier-orns}`
— 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}`
— A collection of logos with bookmark support.
- 1 `\RequirePackage{hologo}`
— Driver-independent color extensions.
- 1 `\RequirePackage[table]{xcolor}`
— Coloured boxes, for \LaTeX examples and theorems, etc.
- 1 `\RequirePackage{tcolorbox}`
— Expandable macros to extract the data from references and allow counter assignments or calculations.
- 1 `\RequirePackage{refcount}`
— Select colors with proper WCAG color contrast.
- 1 `\RequirePackage{ninecolors}`
— Typeset tabulars and arrays with \LaTeX 3 (for the alert boxes typeset as simple tabulars).
- 1 `\RequirePackage{tabulararray}`
— Multilingual support for Plain \TeX or \LaTeX .
- 1 `\RequirePackage[english, french]{babel}`

— Intelligent page references.

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

— Macros for Euro sign.

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

— Typeset source code listings using 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}
```

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^AT_EX

```
1 \RequirePackage{hyperref}
```

— Adjusting the anchors of captions

```
1 \RequirePackage[all]{hypcap}
```

— Intelligent cross-referencing

```
1 \RequirePackage[french]{cleveref}
```

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

```
1 }
```

Settings for the loaded packages

— We switch to the French typographic conventions for siunitx.

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

— Concerning floats, we ask :

— the caption text will be justified,

— the figures and their captions to be boxed (in order to distinguish them from the current text),

— the tables to have their captions above them.

```

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

```

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

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

- 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  }

```

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 footnote, with small caps shape. When they are (English) foreign, it will be specified and the translation will be added.

```

1  \acsetup{
2    first-style=footnote,
3    format/short = {\scshape},
4    format/foreign = {\em},
5    foreign/display,
6    locale/format = {\upshape},
7    locale/display,
8  }

```

Moreover, we redefine the private macro `\acro_footnote:n` of the package `acro` in order to make the footnotes displaying the long forms of the acronyms ended by a period (like ordinary footnotes).

```

1 \cs_undefine:N \acro_footnote:n
2 \cs_new_protected:Npn \acro_footnote:n #1
3 {
4   \tl_set:Ne \l__acro_tmpa_tl {
5     \l__acro_fnpct_check_tl
6   }
7   \exp_last_unbraced:Nno
8   \footnote {#1.}
9   \l__acro_tmpa_tl
10 }

```

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

```

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   \file_input:n {./\c__letgut_acronyms_file_tl}
3 }{
4   \file_if_exist:nTF {../\c__letgut_acronyms_file_tl}{
5     \file_input:n {../\c__letgut_acronyms_file_tl}
6   }{
7     \file_if_exist:nT {\c__letgut_acronyms_file_tl}{
8       \file_input:n {\c__letgut_acronyms_file_tl}
9     }
10  }
11 }

```

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

```

1 \keys_define:nn { letgut }
2 {
3   , for-readers .bool_gset:N = \g__letgut_for_readers_bool
4   , for-readers .initial:n = { true }
5   , for-readers .default:n = { true }
6   , for-authors .bool_gset_inverse:N = \g__letgut_for_readers_bool
7   , draft .bool_gset:N = \g__letgut_draft_bool
8   , draft .initial:n = { true }
9   , draft .default:n = { true }
10  , final .bool_gset_inverse:N = \g__letgut_draft_bool
11  , paper .code:n = {
12    \bool_gset_true:N \g__letgut_paper_bool
13    \pagecolor[rgb]{\c__letgut_default_pagecolor_paper_clist}
14    \clist_set_eq:NN \g__letgut_pagecolor_clist
15    \c__letgut_default_pagecolor_paper_clist
16  }
17  , screen .bool_gset_inverse:N = \g__letgut_paper_bool
18  , number .int_gset:N = \g__letgut_number_int
19  , date .code:n = { \__letgut_date_parse:n { #1 } }
20  , date .initial:x = {\the\year-\the\month}
21  , pagecolor .initial:V
22    = \c__letgut_default_pagecolor_screen_clist
23  , pagecolor .code:n = {
24    \definecolor{letgut_pagecolor}{rgb}{#1}
25    \AddToHook{begindocument/before}
26    {
27      \bool_if:NTF \g__letgut_paper_bool {
28        \msg_warning:nnn{letgut}{
29          pagecolor~inoperative~with~paper~option
30        }{#1}
31      }{
32        \clist_gset:Nn \g__letgut_pagecolor_clist { #1 }

```

```

33     \pagecolor[rgb]{#1}
34   }
35 }
36 }
37 , allcolorlinks .code:n = {
38   \colorlet{letgut_allcolors_links}{#1}}
39 , allcolorlinks .initial:V
40 = \c__letgut_default_allcolors_links_color_tl
41 , membership-reminder .bool_gset:N
42 = \g__letgut_membership_reminder_bool
43 , membership-reminder .initial:n = { true }
44 , editorial .bool_gset:N = \g__letgut_editorial_bool
45 , editorial .initial:n = { true }
46 , informations .bool_gset:N = \g__letgut_informations_bool
47 , informations .initial:n = { true }
48 , detailedtoc .bool_gset:N = \g__letgut_detailedtoc_bool
49 , detailedtoc .initial:n = { false }
50 }
51 \ProcessKeysOptions { letgut }
1  \definecolor{letgut_pagecolor}{rgb}{\g__letgut_pagecolor_clist}

```

Headers

We now define the headers.

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

```

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

```

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

```

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

```

- The headers alternate between even and odd pages.

```

1  \fancyhf{}
2  \fancyhead[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  }

```

“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{beginningdocument/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 {
1 \file_if_exist:nTF {\c__letgut_banner_file_tl.pdf}{
2     \AddToHookNext{shipout/background}
3     {
4         \begin{picture}(0,0)
5             \put(-2cm,-25.275cm){
6                 \includegraphics[scale=0.96]{
7                     \c__letgut_banner_file_tl.pdf
8                 }
9             }
10        \end{picture}
11    }
12 }{

```

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

```

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

```

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

```

1 \AddToHook{begindocument/end}
2 {

```

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

```

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

```

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

```

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

```

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

```

1  \str_if_empty:NTF \g__letgut_@title_str {
2    \bool_gset_true:N \g__letgut_title_empty_bool
3    \begin{flushright}
4      \Huge
5      \text_titlecase_first:n { \g__letgut_title_tl }
6    \end{flushright}
7    \hypersetup{
8      pdftitle={
9        \c__letgut_Lettre_gutenberg_tl
10       \int_compare:nNnT
11       \g__letgut_number_int
12     }
13   }
14   > \c_zero_int
15   {
16     \c_space_tl~ \int_use:N \g__letgut_number_int
17   }
18 },

```

```

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{ m } {
4         \__letgut_author:n { #1 }
5       }
6       \pdfbookmark[1]{Éditorial}{
7         \c__letgut_editorial_file_tl
8       }
9       \__letgut_input_article:n {./\c__letgut_editorial_file_tl}
10      %% \int_set:N \l_tmpa_int {\pagenumber}
11      %% \int_compare:nNnT \l_tmpa_int = 1 { \newpage }

```

```

1     % \if\count{\pagenumber}>1
2     % \else
3     % \newpage
4     % \fi
5   }{
6     \msg_warning:nn{letgut}{Editorial~file~missing}
7     \alertbox{ \c__letgut_missing_editorial_tl }
8     \newpage
9   }
10  }{
11    % \newpage
12  }

```

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

```

1   }

```

Membership reminder.

```

1   \AddToHook{begindocument}{
2     \bool_if:NT \g__letgut_membership_reminder_bool {
3       \AddToHookNext{shipout/background}
4       {
5         \put(1in,-1in){

```

```

6      \put(
7      \oddsidemargin,
8      - \topmargin
9      - \headheight
10     - \headsep
11     - \textheight
12     + \c__letgut_first_page_shrink_dim
13     + .5\baselineskip
14     ){
15     \box_use:N \g__letgut_membership_reminder_box
16     }
17   }
18 }
19 }
20 }

```

Last page handling

The last page is special : it should automatically contain some informations about GUTenberg.

```

1 \AddToHook{enddocument}
2 {

```

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     \__letgut_input_article:n {
6       ./\c__letgut_informations_gutenberg_file_tl
7     }
8   }{
9     \file_if_exist:nTF {../\c__letgut_informations_gutenberg_file_tl}{
10      \__letgut_input_article:n {
11        ../\c__letgut_informations_gutenberg_file_tl
12      }
13    }{
14      \file_if_exist:nTF {\c__letgut_informations_gutenberg_file_tl}{
15        \__letgut_input_article:n {
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

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

```
1 \AddToHook{begindocument/before}{%
2   \titleclass{\title}{straight}[\part]
3   \titleformat{\title}{
4     \normalfont
5     \LARGE
6     \bfseries
7     \text_uppercase:n
8   }}{1em}{
9     \aldineleft\c_space_tl
10    }{}
11  \etocsetlevel{title}{0}
12  \def\toclevel@title{0}%
13  \etocsetstyle {title}
14  {}
15  {
16    \leavevmode\leftskip 2cm\relax
17  }
18  {
19    \bool_if:NTF \g__letgut_detailedtoc_bool {
20      \bfseries
21    }{}
22    \mdseries
23  }
24  \normalsize
25  \etocname
26  \nobreak\leaders\hbox{~ to~ 1ex{\hss.}}\hfill
27  \etocpage
28  \par
29  }
30  {}
```

— We also create the new level `\subtitle` for the subtitles of the articles. They are displayed uppcased (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:nm { 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 and authors

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} { m } {
2    \__letgut_process_list:n {#1}
3  }
4  \cs_new_protected:Npn \__letgut_author:n #1
5  {
6    \nopagebreak
7    \begin{flushright}
8      \__letgut_process_list:n {#1}
9    \end{flushright}
10 }
11 \AddToHook{begindocument/end}{%
12   \RenewDocumentCommand\author{ m } {
13     \__letgut_author:n { #1 }
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:n #1
21 {
22   \seq_clear:N \l__letgut_items_seq
23   \seq_set_split:Nnn \l_tmpa_seq {~and~} {#1}
24   \seq_map_inline:Nn \l_tmpa_seq {
25     \seq_set_from_clist:Nn \l_tmpb_seq {##1}
26     \seq_pop_left:NN \l_tmpb_seq \l_letgut_last_name_tl
27     \seq_pop_left:NN \l_tmpb_seq \l_letgut_first_name_tl
28     \seq_pop_left:NN \l_tmpb_seq \l_letgut_title_tl
29     \seq_put_right:Nx \l__letgut_items_seq {
30       \quark_if_no_value:NTF \l_letgut_first_name_tl {
31         \__letgut_person_last_name:n {
32           \l_letgut_last_name_tl

```

```

33     }
34   }{
35     \quark_if_no_value:NTF \l_letgut_title_tl {
36       \__letgut_person_first_name_last_name:nn
37       {\l_letgut_first_name_tl}
38       {\l_letgut_last_name_tl}
39     }{
40       \__letgut_person_first_name_last_name_title:nnn
41       {\l_letgut_first_name_tl}
42       {\l_letgut_last_name_tl}
43       {\l_letgut_title_tl}
44     }
45   }
46 }
47 }
48 \seq_use:Nnnn \l__letgut_items_seq {
49   \c_space_tl \str_use:N \& \c_space_tl
50 } { , ~ } { \c_space_tl \str_use:N \& \c_space_tl }
51 }

```

Horizontal rule

```

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

```

Alert boxes

```

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

```

Typesetting of packages, classes, files and softwares.

The `\c__letgut_httpsprefix_tl` comes from :

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

```

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

```

We define the font switches dediacted to each of packages and classes (T_EX stuff), files and softwares.

```

1 \tl_new:N \l__letgut__tex_stuff_font_switch_tl
2 \tl_new:N \l__letgut_files_font_switch_tl
3 \tl_new:N \l__letgut_softwares_font_switch_tl
4 \tl_set:Nn \l__letgut__tex_stuff_font_switch_tl {\sffamily}
5 \tl_set:Nn \l__letgut_files_font_switch_tl {\ttfamily}
6 \tl_set:Nn \l__letgut_softwares_font_switch_tl {\ttfamily}

```



```

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 {
21   \tl_if_empty:nTF {#1}
22   {
23     {\l__letgut_software_font_switch_tl #2}
24   }{
25     \href{#1}{\l__letgut_software_font_switch_tl #2}}
26   }
27 }
28 \cs_new_protected:Nn \__letgut_file:n
29 {
30   {\l__letgut_files_font_switch_tl #1}
31 }
32 \NewDocumentCommand{\package}{ s o m 0{\c__letgut_package_tl} } {
33   \IfBooleanT{#1}{
34     #4
35     \c_space_tl
36   }
37   \__letgut_tex_stuff:nn {#2}{#3}
38 }
39 \NewDocumentCommand{\class}{ s o m 0{\c__letgut_class_tl} } {
40   \IfBooleanT{#1}{
41     #4
42     \c_space_tl
43   }
44   \__letgut_tex_stuff:nn {#2}{#3}
45 }
46 \NewDocumentCommand{\file}{ s m 0{\c__letgut_file_tl} } {
47   \IfBooleanT{#1}{
48     #3
49     \c_space_tl
50   }
51   \__letgut_file:n {#2}
52 }

```

```

53 \NewDocumentCommand {\software} { s 0{} m 0{\c__letgut_software_tl} } {
54   \IfBooleanT{#1}{
55     #4
56     \c_space_tl
57   }
58   \__letgut_software:nn {#2}{#3}
59 }

```

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 { \lettre } { } {
8   %   \c__letgut_Lettre_tl
9   % }
10  % \NewExpandableDocumentCommand { \lettregut } { } {
11  %   \lettre \c_space_tl \gutenberg
12  % }
13  \NewExpandableDocumentCommand { \Cahier } { } {
14    \c__letgut_cahier_tl
15  }
16  \NewExpandableDocumentCommand { \Cahiers } { } {
17    \c__letgut_cahiers_tl
18  }
19  \NewExpandableDocumentCommand { \cahier } { } {
20    \c__letgut_cahier_tl
21  }
22  \NewExpandableDocumentCommand { \cahiers } { } {
23    \c__letgut_cahiers_tl
24  }
25  \NewExpandableDocumentCommand { \cahiergut } { } {
26    \cahier \c_space_tl \gutenberg
27  }
28  \NewExpandableDocumentCommand { \cahiersgut } { } {
29    \cahiers \c_space_tl \gutenberg
30  }
31  \NewExpandableDocumentCommand { \letgut } { } {
32    \class{letgut}
33  }
34  \NewExpandableDocumentCommand { \letgutcls } { } {
35    \class*{letgut}
36  }
37  \NewExpandableDocumentCommand { \tugboat } { } {
38    \c__letgut_tugboat_tl
39  }
40  \NewExpandableDocumentCommand { \knuth } { } {

```

```

41   \person{Knuth,~ Donald~ E.}
42   }
43   \NewExpandableDocumentCommand { \lamport } { } {
44     \person{Lamport,~ Leslie}
45   }
46   \NewExpandableDocumentCommand { \tl } { } {
47     \c__letgut_tex_live_tl
48   }
49   \NewExpandableDocumentCommand { \linux } { } {
50     \c__letgut_gnu_linux_tl
51   }
52   \NewExpandableDocumentCommand { \macos } { } {
53     \c__letgut_macOS_tl
54   }
55   \NewExpandableDocumentCommand { \windows } { } {
56     \c__letgut_windows_tl
57   }

```

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      {\l_tmpb_tl}
16    }
17  }
18  \NewDocumentCommand { \lettrenumber } { s O{} } {
19    \IfBooleanT{#1}{
20      \no

```

```

19     }
20     \__letgut_get_lettre_number:n { #2 }
21 }

```

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

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

```

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

```

The `\lettre` and `\lettregut` can be used in titles, sections, etc. (involving bookmarks) but, because their last argument isn’t a mandatory one, they would have

an inconsistent behavior if used with their star or their optional argument (see <https://tex.stackexchange.com/q/427557/18401>).

Foreign locutions

```

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

```

Unicode code points

```

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

```

Bookmarks handling

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

```

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

```

```

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

```

Acronyms

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

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

```

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

```

```

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

```

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

```

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

```

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

```

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

```

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

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

```

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

```

```

9     }{
10     \__letgut_old_footnote [#1] { #2 }
11     }
12     \bool_set_false:N \l__letgut_in_footnote_bool
13     \futurelet\__letgut_next_token\__letgut_next_token_is_footnote:
14     }

```

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

```

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

```

If we are in a footnote, first occurrences of the acronyms are displayed as “short (long)”. Otherwise, they are displayed as “short¹”.

```

1     \bool_if:NTF \l__letgut_in_footnote_bool {
2         \space
3         (
4             \acroifT {alt} { \acrotranslate {or} ~ \acrowrite {alt} ~ }
5             \acroifT {foreign} { \acrowrite {foreign} }
6             \acrowrite {long}
7             \acrogroupcite
8         )
9     }{
10     \acfootnote
11     {
12         \acroifT {alt} {
13             \acrotranslate {or} ~ \acrowrite {alt} :~
14         }
15         \acroifT {foreign} { \acrowrite {foreign} }
16         \acrowrite {long}
17         \acroifT {extra-long} { ~ [\acrowrite {extra-long}] }
18         \acroifT {extra-foreign} {
19             \c_space_tl [\acrowrite {extra-foreign}]
20         }
21     \acrogroupcite
22     }
23     }
24     }
25     }
26 \RenewAcroTemplate[list]{description}{%
27     \acroheading
28     \acropreamble
29     \begin{description}
30     \acronymsmapF{%
31     \item[\acrowrite{short}\acroifT{alt}{/\acrowrite{alt}}]
32     \acroifT{foreign}{
33     \acrowrite{foreign}\acroifT{extra}{, }

```

1. long


```

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

```

```

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

```

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

```

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

```

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

```

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

```

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

```

1 \@onlypreamble\letgutacro

```

Bibliography

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

```

1 \NewCommandCopy{\__letgut_old_citeauthor}{
2   \citeauthor
3 }
4 \RenewDocumentCommand {\citeauthor} { 0{} 0{} m } {
5   \AtNextCite{\DeclareNameAlias{labelname}{given-family}}
6   \__letgut_old_citeauthor[#1][#2]{#3}
7 }

```

Book reviews

```

1 \tl_new:N \g__letgut_bookreview_frontcover_tl
2 \tl_new:N \g__letgut_bookreview_bibkey_tl

```

The keys options are created.

```

1 \keys_define:nn { letgut/bookreview }
2 {
3   title .tl_gset:N = \g__letgut_bookreview_title_tl,
4   frontcover .tl_gset:N = \g__letgut_bookreview_frontcover_tl,
5   bibkey .tl_gset:N = \g__letgut_bookreview_bibkey_tl,

```

```

6     reviewer .tl_gset:N = \g__letgut_bookreview_reviewer_tl,
7     price .tl_gset:N = \g__letgut_bookreview_price_tl,

```

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

```

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

```

We create the new environment for the book reviews.

```

1 \cs_generate_variant:Nn \msg_warning:nnn { nnV }
2 \cs_generate_variant:Nn \msg_error:nnnn { nnVV }
3 \NewDocumentEnvironment{bookreview}{ m }
4 {
5     \keys_set:nn { letgut/bookreview } { #1 }
6     \section{\g__letgut_bookreview_title_tl}
7     \tl_if_empty:NTF \g__letgut_bookreview_frontcover_tl {
8         \msg_warning:nnV{letgut}{frontcover-missing}{
9             \g__letgut_bookreview_title_tl
10        }
11    }{

```

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

```

1     \clist_map_inline:Nn \Gin@extensions {
2         \file_if_exist:nT{\g__letgut_bookreview_frontcover_tl##1}{
3             \bool_set_true:N \l_tmpa_bool
4             \clist_map_break:
5         }
6     }
7     \bool_if:NTF \l_tmpa_bool {
8         \marginpar{
9             \hspace*{\c__letgut_bookreview_frontcover_margin_sep_dim}
10            % \raggedleft
11            \raisebox{-\totalheight}{
12                \fbox{
13                    \includegraphics[width=-\c__letgut_title_hoffset_dim]{
14                        \g__letgut_bookreview_frontcover_tl
15                    }
16                }
17            }
18        }
19    }{
20        \msg_error:nnVV
21        {letgut}
22        {frontcover-file-not-found}
23        {\g__letgut_bookreview_title_tl}
24        {\g__letgut_bookreview_frontcover_tl}
25    }
26 }
27 \noindent
28 \textsf{\fullcite{\g__letgut_bookreview_bibkey_tl}}

```

```

29     \tl_if_empty:NF \g__letgut_bookreview_price_tl{
30       .\c_space_tl\g__letgut_bookreview_price_tl\c_space_tl €
31     }
32     \par
33   }{
34     \exp_args:NV \author{\g__letgut_bookreview_reviewer_tl}
35   }

```

Keyboard keys

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

```

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

```


Listings

We define a style for all the listings which resets all the T_EX control sequences and keywords, and fix some defaults.

```

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

```

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

```

1 numbersep=\c__letgut_number_sep_dim,
2 numberstyle=\scriptsize\ttfamily
3 \color{__letgut_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 }

```

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

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

```

1  \cs_new_protected:Npn \__letgut_input_article:n #1
2  {
3    \lstset{ style=__letgut_reset_listings_styles }
4    \acresetall%
5    \file_input:n{#1}%
6  }
7  \NewDocumentCommand{\inputarticle}{m}{
8    \__letgut_input_article:n { #1 }
9  }

```

LaTeX listings and examples

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

```

1  \colorlet{__letgut_texcs}{blue}
2  \colorlet{__letgut_comment}{gray}
3  \colorlet{__letgut_argument_specification_separator}{red}
4  \colorlet{__letgut_argument_specification}{cyan}
5  \colorlet{__letgut_mandatory_argument}{purple}
6  \colorlet{__letgut_environment}{teal}
7  \colorlet{__letgut_key}{__letgut_mandatory_argument}
8  \colorlet{__letgut_value}{violet}
9  \colorlet{__letgut_optional_argument}{__letgut_key}
10 \colorlet{__letgut_math}{green!50!black}

```

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

```

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

```

We define a listing style specific to LaTeX listings.

```

1  \lstdefinestyle{__letgut_latex_listings_style}{
2    language=TeX,%
3    alsolanguage=[AllaTeX]TeX,%
4    alsolanguage=[LaTeX]TeX,%
5    alsolanguage=[plain]TeX,%
6    alsolanguage=[common]TeX,%
7    alsolanguage=[primitive]TeX,%
8    alsolanguage=[extLaTeX]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={\color{__letgut_key}},
18 numbers=left,

```

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

```

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

```

We define the style of the codes.

```

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

```

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

```

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

```

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

```

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

```

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

```

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

```

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

```

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

```

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

```

1 sidebyside@true/.code={%
2   \tcb@sidebysidetrue%
3   \tcb@isbreakablefalse%
4   \pgfkeysalso{floatplacement=ht}%
5   \pgfkeysalso{float}%
6   \pgfkeysalso{label={\g__letgut_label_ltx_example_str}}%
7   \tl_set:Nx \l_tmpa_tl {
8     \getpagerefnumber {
9       \g__letgut_callout_label_ltx_example_str
10    }
11  }
12  \tl_set:Nx \l_tmpb_tl {
13    \getpagerefnumber {
14      \g__letgut_label_ltx_example_str
15    }
16  }
17  \tl_if_eq:NNF \l_tmpa_tl \l_tmpb_tl
18  {
19    \l__letgut_reference_text_tl
20    \tl_set:Nn \l__letgut_reference_text_tl {
21      Cf.~\vref{\g__letgut_label_ltx_example_str}.
22    }
23    \pgfkeysalso{
24      drop~ shadow=black,
25      grow~ to~ left~ by=4cm,
26      boxed~ title~ style={sharp~ corners},
27    }
28    \pgfkeysalso{after~ title~ app=\c_space_tl (cf.~page~\thepage)}
29  }
30 },%
31 overlay={
32   \iftcb@sidebyside
33   \__letgut_code_result_mention_box:nn {segmentation.north} {code}

```

```

34   \_letgut_code_result_mention_box:nn {interior.north~ east} {résultat}
35   \else
36   \ifcase\tcbsegmentstate
37   % 0 = Box contains only an upper part
38   \_letgut_code_result_mention_box:nn {interior.north~ east} {code}
39   \or%
40   % 1 = Box contains an upper and a lower part
41   \_letgut_code_result_mention_box:nn {interior.north~ east} {code
1   \int_compare:nNnT {\thetcbbreakpart} > {1} {~(suite)}
2   }
3   \_letgut_code_result_mention_box:nn {
4     [yshift=.1mm]segmentation.east
5   } {résultat}
6   \else%
7   % 2 = Box contains only a lower part
8   \_letgut_code_result_mention_box:nn {interior.north~ east} {résultat
1   \int_compare:nNnT {\thetcbbreakpart} > {1} {~(suite)}
2   }
3   \fi
4   \fi
5   },
6   },
7   }

```

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

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

We now define the environments that let us display :

1. only \LaTeX code :

```

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

```

1. with the result obtained externally :

```

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

```

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

```

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

```

We now use hooks in order to...

```

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

```

Since the syntax highlighting is reset at each `\input`, the `ltx-code-*` environments above provide syntax highlighting only for the commands of the \TeX dialects specified in the class. So we provide a specific command that let us specify (the dialects of) the

main language (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}{ O{TeX} m}{%
28   \__letgut_alsolanguage_list:nn {#2} {#1}
29 }

```

Terminal listings

We define a command dedicated to terminal stdin and stdout.

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

We define a listing style specific to these terminal commands.

```

1 \definecolor{__letgut_terminal_prompt}{RGB}{204,0,0}
2 \colorlet{__letgut_terminal_comment}{gray!80}
3 \definecolor{__letgut_terminal_commands}{RGB}{241,124,81}
4 \definecolor{__letgut_terminal_keywords}{RGB}{173,127,168}
5 \definecolor{__letgut_terminal_variables}{RGB}{114,159,207}
6 \colorlet{__letgut_terminal_utilities}{__letgut_terminal_commands}
7 \definecolor{__letgut_terminal_strings}{RGB}{78,154,6}

1 \lstdefinestyle{__letgut_terminal_listings_style}{
2   commentstyle= \color{__letgut_terminal_comment},
3   keywordstyle= \color{__letgut_terminal_commands},
4   keywordstyle={2}\color{__letgut_terminal_keywords}},
5   keywordstyle={3}\color{__letgut_terminal_utilities}},
6   stringstyle= \color{__letgut_terminal_strings},
7   literate=*%
8   {$}{\textcolor{__letgut_terminal_variables}{\$}}{1}%$
9 }

```

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

```

1 \lstdefinelanguage{terminal}{%
2   morekeywords={%
3     alias,bg,bind,break,builtin,caller,cd,command,compgen,%
4     complete,compopt,continue,declare,dirs,disown,echo,enable,%
5     eval,exec,exit,export,fc,fg,getopts,hash,help,history,%
6     jobs,kill,let,local,logout,mapfile,popd,printf,pushd,pwd,%
7     read,readarray,readonly,return,set,shift,shopt,source,%
8     suspend,test,times,trap,type,typeset,ulimit,umask,unalias,%
9     unset,wait,%
10  },%
11  morekeywords=[2]{%
12    case,do,done,elif,else,esac,fi,for,function,if,in,select,%
13    then,time,until,while,%
14  },%
15  morekeywords=[3]{%
16    apropos,apt,apt-get,aptitude,aspell,at,awk,base32,base64,%
17    basename,bash,bc,bzip2,cal,cacat,cfdisk,chatr,chrp,%
18    chkconfig,chmod,chown,chpasswd,chroot,cksum,clear,cmp,comm,%
19    cp,cpio,cron,crontab,csplit,curl,cut,date,dc,dd,ddrescue,%
20    df,diff,diff3,dig,dir,dircolors,dirname,dmesg,dos2unix,%
21    dpkg,du,egrep,eject,env,ethtool,expand,expr,false,fdformat,%
22    fdisk,fgrep,file,find,fmt,fold,format,free,fsck,ftp,fuser,%
23    gawk,grep,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,mount,mtools,mtr,mv,nc,netstat,nft,nice,nl,%
29    nohup,notify-send,nslookup,op,open,passwd,paste,pathchk,%
30    Perf,pgrep,ping,ps,kill,pr,printcap,printenv,ps,pv,quota,%
31    quotacheck,ram,rar,rcp,reboot,remsync,rename,renice,rev,rm,%
32    rmdir,rsync,scp,screen,sdiff,sed,seq,sftp,shuf,shutdown,%
33    sleep,slocate,sort,split,ss,ssh,stat,strace,su,sudo,sum,%
34    sync,tail,tar,tee,timeout,tmux,top,touch,tput,tr,%

```

```

35     traceroute, true, tsort, tty, umount, uname, unexpand, uniq, units, %
36     unix2dos, unrar, unshar, uptime, useradd, userdel, usermod, users, %
37     uuencode, uuencode, vdir, vi, vmstat, watch, wc, wget, whereis, %
38     which, who, whoami, write, xargs, xdg-open, xxd, xz, yes, zip, %
39     }, %
40     alsoletter={2346-}, %
41     morecomment=[l]\#, %
42     morestring=[d]", %
43     morestring=[d]', %
44     sensitive%
45 }[keywords, comments, strings]%

```

We define some colors used in the terminal listings.

```

1  \definecolor{__letgut_foreground_terminal_dark}{named}{black}
2  \colorlet{__letgut_background_terminal_dark_stdin}{
3    letgut_pagecolor!95!gray
4  }
5  \colorlet{__letgut_background_terminal_dark_stdout}{
6    __letgut_background_terminal_dark_stdin!60
7  }
8  \definecolor{__letgut_foreground_terminal_light}{named}{black}
9  \definecolor{__letgut_background_terminal_light_stdin}{rgb}{
10   0.99,0.975,0.98
11 }
12 \colorlet{__letgut_background_terminal_light_stdout}{
13   __letgut_background_terminal_light_stdin!40
14 }
1  \bool_if:NTF \g__letgut_paper_bool {
2    \colorlet{__letgut_foreground_terminal}{
3      __letgut_foreground_terminal_light
4    }
5    \colorlet{__letgut_background_terminal_stdin}{
6      __letgut_background_terminal_light_stdin
7    }
8    \colorlet{__letgut_background_terminal_stdout}{
9      __letgut_background_terminal_light_stdout
10   }
11  }{
12   \colorlet{__letgut_foreground_terminal}{
13     __letgut_foreground_terminal_dark
14   }
15   \colorlet{__letgut_background_terminal_stdin}{
16     __letgut_background_terminal_dark_stdin
17   }
18   \colorlet{__letgut_background_terminal_stdout}{
19     __letgut_background_terminal_dark_stdout
20   }
21 }

```

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

```

1  \tcbset{%
2    terminal/.style={%

```

```

3     colupper=__letgut_foreground_terminal,
4     collower=__letgut_foreground_terminal,
5     breakable,
6     segmentation~ at~ break=false,
7     boxrule=0mm,
8     before~ lower={\tcbset{every~ listing~ line={}}},
9     listing~ options={%
10      style=__letgut_terminal_listings_style,
11      language=terminal,
12    },
13    every~ listing~ line={%
14      \textcolor{__letgut_terminal_prompt}{%
15        \ttfamily%
16        \bfseries%
17        \__letgut_unselectable:n {#1\c_space_tl}
18      }
19    },
20  },
21 }

```

We define now the command

```

1  \cs_new_protected:Npn \__letgut_terminal:nnnn #1 #2 #3 #4
2  {
3    \bool_set_false:N \l_tmpa_bool
4    \tl_if_empty:nF {#3}{
5      \tcbset{tempfile=\jobname-stdin.tex}
6      \exp_args:Nx \scantokens
7      {
8        \token_to_str:N\begin{tcbwritetemp}
9        #3
10       \token_to_str:N\end{tcbwritetemp}
11      }
12    }
13    \tl_if_empty:nF {#4}{
14      \tcbset{tempfile=\jobname-stdout.tex}
15      \exp_args:Nx \scantokens
16      {
17        \token_to_str:N\begin{tcbwritetemp}
18        #4
19        \token_to_str:N\end{tcbwritetemp}
20      }
21    }
22    \tl_if_empty:nTF {#3}{
23      \tl_if_empty:nTF {#4}{
24        \bool_set_true:N \l_tmpa_bool
25      }{
26        \tcbset{colback=__letgut_background_terminal_stdout}
27      }
28    }{
29      \tcbset{colback=__letgut_background_terminal_stdin}
30      \tl_if_empty:nTF {#4}{
31        }{

```



```

32     \tcbset{
33         bicolor,
34         middle=0mm,
35         boxsep=0mm,
36         colbacklower=__letgut_background_terminal_stdout,
37     }
38 }
39 }
40 \bool_if:NF \l_tmpa_bool {
41     \begin{tcolorbox}[terminal={#1},#2]
42         \lstset{aboveskip=0pt}
43         \tl_if_empty:nF {#3}{
44             \tcbset{
45                 tempfile=\jobname-stdin.tex,
46             }
47             \tcbusetemplisting
48             \tl_if_empty:nF {#4}{
49                 \tcblower
50             }
51         }
52         \tl_if_empty:nF {#4}{
53             \tl_if_empty:nF {#3}{
54                 \lstset{aboveskip=0pt}
55             }
56             \tcbset{
57                 tempfile=\jobname-stdout.tex,
58                 every~ listing~ line={},
59                 listing~ options~ app={
60                     language={}
61                 }
62             }
63             \tcbusetemplisting
64         }
65     \end{tcolorbox}
66 }
67 }
68 \NewDocumentCommand{\terminal}{ 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 ½
14     ^^00%
15     }
16     \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   \file_input:n {./\c__letgut_local_config_file_tl}
5   \@popfilename
6   }

```

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

```

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

```

(biblatex) Data model

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

- the books reviews,
- the books advertisements.

```

1 \ProvidesFile{letgut.lbx}[2022-10-03 v0.9.4 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}[2022-10-03 v0.9.4 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}[2022-10-03 v0.9.4 letgut base citation style]
2  \RequireCitationStyle{numeric}

```

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

```

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

```

... but not their subtitles.

```

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

```

Provided files

Example file of an issue of the newsletter

```

1 % Hey, Emacs! This is a -*- mode: latex -*- file!
2
3 \documentclass{letgut}
4
5 \letgutsetup{
6   % % Option booléenne pour la version finale de la Lettre.
7   % % L'option contraire `draft` (par défaut) affiche
8   % % « Brouillon » en filigrane et actionne le package
9   % % `lua-typo`.
10  %
11  % , final
12  %
13  % % Option coloriant le fond de la page d'une couleur
14  % % par défaut (`1.0, 0.98, 0.94` en « rgb ») mais
15  % % modifiable au moyen de l'option `pagecolor` ci-dessous.
16  %
17  % , paper
18  %
19  % % Numéro de la Lettre
20  %
21  % , number=44
22  %
23  % % Date de la Lettre. Celle-ci est déduite de la
24  % % date du jour, mais peut être spécifiée sous la forme
25  % % AAAA-MM (avec garde-fous) ou librement
26  % % (p. ex. `date=Printemps 2021`).
27  %
28  % , date=2025-16
29  %
30  % % Couleur de la page, à spécifier selon le modèle « rgb ».
31  %
32  % , pagecolor={1.0, 0.1, 0.94}
33  %
34  % % Couleur des hyperliens, à spécifier selon le modèle
35  % % « named ».

```

```
36 %
37 % , allcolorlinks=cyan
38 %
39 % % Un (r)appel à cotisation est automatiquement ajouté
40 % % en 1re page. Si on ne le souhaite pas, il suffit de
41 % % passer l'option `membership-reminder=false`.
42 %
43 % , membership-reminder=false
44 %
45 % % Si un fichier `editorial.tex`, on s'en doute censé
46 % % contenir l'éditorial, est présent dans le répertoire
47 % % courant, son contenu est automatiquement ajouté en
48 % % 1re page. Si un tel fichier est absent du répertoire
49 % % courant, une alerte est affichée à la place, sauf si,
50 % % parce qu'on ne souhaite pas d'éditorial, on passe
51 % % l'option `editorial=false`.
52 %
53 % , editorial=false
54 %
55 % % Les informations concernant GUTenberg, si elles
56 % % figurent dans un fichier `informations-gut.tex`
57 % % présent dans le répertoire courant, sont
58 % % automatiquement ajoutées en dernière page.
59 % % Si on ne souhaite pas que figurent ces
60 % % informations, il suffit de passer l'option
61 % % `informations=false`.
62 %
63 % , informations=false
64 %
65 % % Lors de la conception d'un numéro de la Lettre,
66 % % il peut être utile d'avoir un plan détaillé au
67 % % maximum de l'ensemble du document. C'est ce que
68 % % permet l'option `detailedtoc`.
69 %
70 % , detailedtoc
71 }
72
73 \setmainfont{TeX Gyre Schola} % Par exemple
74
75 \usepackage[maths=both]{duckuments}
76 \usepackage{mwe}
77
78 % \addbibresource{biblio.bib}
79
80 \begin{document}
81 \duckument
82 \end{document}
83
84 %%% Local Variables:
85 %%% TeX-engine: luatex
86 %%% TeX-master: t
87 %%% End:
```

Example of an editorial

```

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

Informations about GUTenberg

```

1 % Hey, Emacs! This is a -- mode: latex -- file!
2
3 \enlargethispage{1.5cm}
4 \small
5 \vspace*{-1cm}
6 \hspace*{-1.5cm}%
7 \raisebox{-\height+0.7\baselineskip}{%
8   \begin{minipage}[t]{.6\textwidth}%\vspace{0pt}%
9     \includegraphics[width=\linewidth]{logo-gut.pdf}
10    \end{minipage}%
11  }%
12 \hfill%
13 \begin{minipage}[t]{.5\textwidth}%\vspace{0pt}%
14   \footnotesize\raggedleft%
15   Association \gut{}\ \
16   15 rue des Halles -- \textsc{bp} 74\ \
17   75001 Paris\ \
18   France\ \
19   \url{secretariat[at]gutenberg[dot]eu[dot]org}
20 \end{minipage}%
21
22 \begin{description}
23 \item[Site Internet :] \url{https://www.gutenberg-asso.fr/}
24 \item[\Cahiers{} :] \url{http://www.numdam.org/journals/CG/}
25 \item[Problèmes techniques :]
26   \leavevmode
27   \begin{description}
28 \item[la liste \texttt{gut} :]
29   \url{https://www.gutenberg-asso.fr/-Listes-de-diffusion-}
30 \item[le site \hologo{TeX}nique de questions et réponses :]
31   \url{https://texnique.fr/}
32 \item[la foire aux questions :]
33   \url{https://faq.gutenberg-asso.fr/}
34 \end{description}
35 \end{description}
```

```

36 %
37 \alertbox{%
38     Cette association est la vôtre : faites-nous part de
39     vos idées, de vos envies, de vos préoccupations
40     à l'adresse \url{secretariat[at]gutenberg[dot]eu[dot]org}.%
41 }
42
43 % \section[Association GUTenberg (tout sur l')]
44 % {Adhésion à l'association}
45 \title{Adhésion à l'association}
46 \label{letgut_label_adhesions}
47
48 \begin{itemize}
49 \item % Adhésions et abonnements
50     Les adhésions sont à renouveler en début d'année
51     pour l'année civile.
52     % \item Il n'y a pas de lettre de rappel, chaque membre
53     % doit faire son renouvellement annuel; %\hspace*{1em}
54     % merci de renvoyer spontanément le bulletin ci-dessous
55     % en début d'année.
56 \item Les administrations peuvent joindre un bon de commande
57     revêtu de la signature de la personne responsable ;
58     les étudiants doivent joindre un justificatif.
59     % \item Si vous souhaitez que vos coordonnées restent
60     % confidentielles, merci de le signaler.
61 \end{itemize}
62
63 \vspace*{-0.7cm}
64 \section{Tarifs \the\year}
65
66 Les membres de \gut\ peuvent adhérer à l'association
67 internationale, le \acf{tug}, et recevoir son bulletin
68 \tugboat{} à un tarif préférentiel :
69 \begin{description}
70 \item[tarif normal :] 65~€ (au lieu de 85~\$)
71 \item[tarif étudiant :] 40~€ (au lieu de 55~\$)
72 \end{description}
73 % (49~€50), étudiants et demandeurs d'emploi :
74 % 29~€, au lieu de 85\$ et % 65\$). Voir
75 % \url{%
76 % https://www.gutenberg-asso.fr/?Adherer-en-ligne%
77 % }.
78
79 \footnotesize
80 \begin{center}
81 \begin{tabular}{lr}
82 \toprule
83 \textbf{Type d'adhésion} & \textbf{Prix} \\
84 \midrule
85 Membre individuel & 30~€ \\
86 Membre individuel + adhésion \acs{tug} & 95~€ \\
87 Membre individuel étudiant/demandeur d'emploi & 15~€

```

```

88     Membre individuel étudiant + adhésion \acs{tug} & 55~€      \\
89     Association d'étudiants                & 65~€      \\
90     Organisme à but non lucratif           & 130~€     \\
91     Organisme à but lucratif              & 229~€     \\
92     \bottomrule
93     \end{tabular}
94 \end{center}
95
96 \section{Règlements}
97
98 Les règlements peuvent s'effectuer par :
99 \begin{itemize}
100 \item \textbf{virement bancaire}%
101     \footnote{Nous vous remercions de \textbf{privilégier}
102     le \textbf{virement bancaire}.\label{fn:1}} (\textsc{iban} :
103     FR76 1870 7000 3003 0191 3568 475)%
104     \leavevmode
105
106     \alertbox{%
107         Veuillez à bien \emph{indiquer vos nom et prénom}
108         dans les références du virement !%
109     }
110 \item Paypal\footnotemark[\value{footnote}] :
111     \url{https://www.gutenberg-asso.fr/?Adherer-en-ligne}
112 \item bulletin et chèque\footnotemark[\value{footnote}] :
113     \url{https://www.gutenberg-asso.fr/?Adherer-a-l-association}
114 \end{itemize}
115
116 \vfill
117
118 \begin{center}
119     \begin{tblr}{
120         width=.75\linewidth,
121         colspec={
122             % < (Just not to disturb the parentheses
123             % balancing detection of my editor.)
124             >\bfseries}r@{ }X
125         },
126         vline{1,3}={solid},
127         hline{1,7}={solid},
128         rowsep=0mm,
129         row{1} = {abovesep+=.25cm},
130         row{2} = {belowsep+=.125cm},
131         row{6} = {belowsep+=.25cm},
132         % colsep=2.5mm,
133     }
134     \SetCell[c=2]{c} \emph{La \lettregut}\\
135     \SetCell[c=2]{c} \mdseries Bulletin irrégulomestriel
136     de l'association \gut\\
137     Directeur de la publication :
138     & \person{Bideault, Patrick} \\
139     Comité de rédaction :

```



```

140      & {Patrick Bideault, Denis Bitouzé, \
141        Céline Chevalier \& Maxime Chupin} \
142      Adresse de la rédaction : &
143      {
144        Association \gut\
145        15 rue des Halles -- \textsc{bp} 74\
146        75001 Paris
147      }
148      \
149      \acs{issn} : & \letgutissn
150      \end{tblr}
151      \end{center}
152      \vfill
153      \mbox{}
154      \clearpage

```

Acronyms

```

1   % Hey, Emacs! This is a -*- mode: latex -*- file!
2
3   %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
4   % Acronymes anglais %
5   %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
6   \letgutacro%
7   {CTAN}%
8   {\href{https://www.ctan.org/}{Comprehensive \hologo{TeX} Archive
9     Network}}%
10  [réseau complet d'archives \hologo{TeX}]
11
12  \letgutacro%
13  {PDF}%
14  {Portable Document Format}%
15  [format de document portable]
16
17  \letgutacro%
18  {URL}%
19  {Uniform Resource Locator}%
20  [localisateur uniforme de ressource ou, plus clairement, format des
21    adresses du Web]
22
23  \letgutacro%
24  {ORCID}%
25  {Open Research and Contributor \textsc{id}}%
26  [identifiant ouvert pour chercheur et contributeur]
27
28  \letgutacro[extra-foreign=souvent librement traduit en \enquote{foire
29    %aux questions}]
30  {FAQ}%
31  {Frequently Asked Questions}%
32  [questions fréquemment posées]
33
34  \letgutacro%
35  {SVG}%

```

```
36 {Scalable Vector Graphics}%
37 [graphiques vectoriels extensibles]
38
39 \letgutacro%
40 {DNS}%
41 {Domain Name System}%
42 [système de noms de domaine]
43
44 \letgutacro%
45 {VPS}%
46 {Virtual Private Server}%
47 [serveur dédié virtuel]
48
49 \letgutacro%
50 {LDAP}%
51 {Lightweight Directory Access Protocol}%
52 [protocole d'accès à répertoire léger, système garantissant
53   l'authentification d'utilisateurs de plusieurs services dispersés]
54
55 \letgutacro%
56 {OTF}%
57 {Open Type Format}%
58 []
59
60 \letgutacro%
61 {DOI}%
62 {Digital Object Identifier}%
63 [identifiant numérique d'objet]
64
65 \letgutacro%
66 {ISSN}%
67 {International Standard Serial Number}%
68 [numéro international normalisé des publications en série]
69
70 \letgutacro%
71 {TUG}%
72 {\hologo{TeX} User Group}%
73 [groupe (international) d'utilisateurs de \hologo{TeX}]
74
75 \letgutacro%
76 {WCAG}%
77 {Web Content Accessibility Guidelines}%
78 [directives sur l'accessibilité du contenu Web]
79
80 \letgutacro%
81 {HTML}%
82 {HyperText Markup Language}%
83 [langage de balises pour l'hypertexte]
84
85 \letgutacro%
86 {CSS}%
87 {Cascading Style Sheets}%
```

```
88 [feuilles de style en cascade]
89
90 \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=
96   german,foreign-locale=allemand]
97 {TIKZ}%
98 {Ti\emph{k}Z ist \emph{kein} Zeichenprogramm}%
99 [Ti\emph{k}Z \emph{n'}est \emph{pas} un programme de dessin]
100
101 \letgutamacro%
102 {PGF}%
103 {Portable Graphics Format}%
104 [format de graphiques portable]
105
106 \letgutamacro%
107 {GPL}%
108 {\textsc{gnu} General Public License}%
109 [licence publique générale \textsc{gnu}]
110
111 \letgutamacro%
112 {OFL}%
113 {SIL Open Font License}%
114 []
115
116 \letgutamacro%
117 {DVI}%
118 {DeVice-Independent}%
119 [indépendant du type de périphérique]
120
121 \letgutamacro%
122 {PS}%
123 {PostScript}%
124 []
125
126 \letgutamacro%
127 {DVIPS}%
128 {\acs{dvi}-to-\acs{ps} (translator)}%
129 [(convertisseur) \acs{dvi} vers \acs{ps}]
130
131 \letgutamacro%
132 {IPA}%
133 {International Phonetic Alphabet}%
134 [alphabet phonétique international]
135
136 \letgutamacro%
137 {TIPA}%
138 {\ho{TeX} \acs{ipa} or Tokyo \acs{ipa}}%
139 [alphabet phonétique international]
```

```
139
140 \letgutacro%
141 {XML}%
142 {eXtensible Markup Language}%
143 [langage de balisage extensible]
144
145 \letgutacro%
146 {APA}%
147 {American Psychological Association}%
148 [association américaine de psychologie]
149
150 \letgutacro%
151 {OS}%
152 {Operating System}%
153 [système d'exploitation]
154
155 \letgutacro%
156 {BSD}%
157 {Berkeley Software Distribution}%
158 [collection de logiciels de Berkeley]
159
160 \letgutacro%
161 {IMAP}%
162 {Internet Message Access Protocol}%
163 []
164
165 \letgutacro%
166 {SMTP}%
167 {Simple Mail Transfer Protocol}%
168 [protocole simple de transfert de courrier]
169
170 \letgutacro%
171 {RTF}%
172 {Rich Text Format}%
173 [format de texte enrichi]
174
175 \letgutacro%
176 {WYSIWYG}%
177 {What You See Is What You Get}%
178 [ce que vous voyez est ce que vous obtenez]
179
180 \letgutacro%
181 {ISO}%
182 {\href{https://www.iso.org/home.html}{International Organization for
183 Standardization}}%
184 [{\href{https://www.iso.org/fr/home.html}{organisation internationale de
185 normalisation}}]
186
187 \letgutacro%
188 {OFF}%
189 {Open Font Format}%
190 [format de fonte ouvert]
```

```
191
192 \letgutacro%
193 {CSV}%
194 {Comma-separated values}%
195 [valeurs séparées par des virgules]
196
197 \letgutacro%
198 {YAML}%
199 {\textsc{yaml} 'Aint Markup Language}%
200 [\textsc{yaml} n'est pas un langage de balisage (acronyme récursif)]
201
202 \letgutacro%
203 {UCA}%
204 {Unicode Collation Algorithm}%
205 [algorithme de tris d'Unicode]
206
207 \letgutacro%
208 {NFSS}%
209 {New Font Selection Scheme}%
210 [nouveau schéma de sélection de fonte]
211
212 \letgutacro%
213 {ASCII}%
214 {American Standard Code for Information Interchange}%
215 [code américain normalisé pour l'échange d'information]
216
217 \letgutacro%
218 {TDS}%
219 {\TeX{} Directory Structure}%
220 [structure de répertoire de \TeX{}]
221
222 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
223 % Acronymes français %
224 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
225 \letgutacro%
226 {SMAI}%
227 {\href{http://smαι.emath.fr/}{Société de Mathématiques Appliquées et
228   Industrielles}}%
229
230 \letgutacro%
231 {AG}%
232 {Assemblée Générale}%
233
234 \letgutacro%
235 {CA}%
236 {Conseil d'Administration}%
237
238 \letgutacro%
239 {SHS}%
240 {Sciences Humaines et Sociales}%
241
242 \letgutacro%
```

```

243 {IREM}%
244 {\href{https://www.univ-irem.fr/}{Instituts de Recherche sur
245   l'Enseignement des Mathématiques}}%
246
247 \letgutacro%
248 {MEEF}%
249 {Métiers de l'Enseignement, de l'Éducation et de la Formation}%
250
251 \letgutacro%
252 {ECM}%
253 {\href{https://texnique.fr/osqa/faq/\#custom-id-ecm}{Exemple Complet
254   Minimal}}%
255
256 \letgutacro%
257 {INSPÉ}%
258 {\href{https://www.reseau-inspe.fr/}{Instituts Nationaux Supérieurs du
259   Professorat et de l'Éducation}}%
260
261 \letgutacro[short=\textsc{gra}pp\textsc{a}, short-format=\upshape]
262 {GRAppA}%
263 {Groupe de recherche en Apprentissage Automatique}%
264
265 \letgutacro%
266 {BBB}%
267 {BigBlueButton}%
268
269 \letgutacro%
270 {CV}%
271 {Curriculum Vitæ}%
272
273 \letgutacro%
274 {RGPD}%
275 {Règlement Général sur la Protection des Données}%
276
277 \letgutacro%
278 {NDLR}%
279 {Note de la Rédaction}%
280
281 \letgutacro%
282 {BTS}%
283 {Brevet de Technicien Supérieur}%
284
285 \letgutacro%
286 {APMEP}%
287 {Association des Professeurs de Mathématiques de l'Enseignement Public}%
288
289 \letgutacro%
290 {PAO}%
291 {Publication Assistée par Ordinateur}%

```

Language driver file

```
1 % \lst@define\language[...]{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[letgut]{TeX}{%
36 % Control sequences names
37 moretexcs={%
38 letgutsetup,title,subtitle,author,francophony,person,author,%
39 package,package*,class,class*,software,software*,file,file*,%
40 foreignloc,latinloc,gutenberg,gut,lettre,lettregut,Cahier,%
41 Cahiers,letgut,letgutcls,knuth,lamport,tugboat,item*,letgutacro,%
42 separator,alertbox,terminal,inputarticle,lettrenumber,%
43 },%
44 % Keywords of class 1 : keywords that contain other characters (since
45 % of the same class as the ones specified as 'otherkeywords')
46 morekeywords={%
47 },%
48 % Keywords of class 2 : environments names
49 morekeywords=[2]{%
50 ctannews,ltx-code,ltx-code-result,ltx-code-external-result,%
51 bookreview,%
52 },%
53 % Keywords of class 3 : mandatory arguments (not environments) &

```

```

54 % optional arguments which are keys (in key=value)
55 morekeywords=[3]{%
56   for-authors, for-readers, draft, final, screen, paper, number, date, %
57   pagecolor, allcolorlinks, membership-reminder, editorial, informations
58   ,%
59   title, addon, result width, reference, text, title, reviewer, bibkey, %
60   frontcover, price, result, and, %
61   },%
62 % Keywords of class 4 : values of keys (in key=value)
63 morekeywords=[4]{%
64   },%
65 % Keywords of class 5 : arguments specifications (after ":" in expl3
66 % syntax)
67 morekeywords=[5]{%
68   },%
69 % Keywords of class 6 : current package name (and possibly derived
70 % packages)
71 morekeywords=[6]{%
72   letgut%
73   },%
74 % otherkeywords={}, %
75 alsoletter={-\ }, %
76 % alsodigit={}, %
77 alsoother={*}, %
78 % alsoother={}, %
79 sensitive, %
80 }[keywords, tex, comments]%
81 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
82 % LaTeX texcs and keywords that are missing in `listings` driver file
83 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
84 \lst@definlanguage[extLaTeX]{TeX}{%
85   % Control sequences names
86   moretexcs={%
87     Huge, LARGE, Large, LoadClass, NewCommandCopy, RequirePackage, %
88     ShowCommand, abovcaptionskip, abstractname, appendix, appendixname, %
89     arraycolsep, arrayrulewidth, author, backmatter, baselinestretch, %
90     belowcaptionskip, bf, bibindent, bibname, bigskipamount, bottomfraction,
91     %
92     brokenpenalty, cal, chapter, chaptermark, chaptername, clubpenalty, %
93     columnsep, columnseprule, contentsname, date, dblfloatpagefraction, %
94     dblfloatsep, dbltextfloatsep, dbltopfraction, descriptionlabel, %
95     displaywidowpenalty, doublerulesep, evensidemargin, fboxrule, fboxsep, %
96     figurename, floatpagefraction, floatsep, footins, footnoterule, %
97     footnotesep, footnotesize, footskip, frontmatter, headheight, headsep, %
98     huge, indexname, indexspace, interlinepenalty, intextsep, it, jot, %
99     labelenumi, labelenumii, labelenumiii, labelenumiv, labelitemfont, %
100    labelitemi, labelitemii, labelitemiii, labelitemiv, labelsep, %
101    labelwidth, large, leftmargin, leftmargini, leftmarginii, leftmarginiii,
102    %
103    leftmarginiv, leftmarginv, leftmarginvi, lineskip, listfigurename, %
104    listoffigures, listoftables, listtablename, mainmatter, maketitle, %

```



```

103     marginparpush,marginparsep,marginparwidth,maxdepth,medskipamount,%
104     mit,newblock,normallineskip,normalsize,oddsidemargin,paragraph,%
105     paragraphmark,parindent,parskip,part,partname,partopsep,%
106     postdisplaypenalty,predisplaypenalty,refname,rm,sc,scriptsize,%
107     section,sectionmark,setlength,sf,sl,small,smallskipamount,%
108     subitem,subparagraph,subparagraphmark,subsection,subsectionmark,%
109     subsubitem,subsubsection,subsubsectionmark,tabbingsep,tabcolsep,%
110     tablename,tableofcontents,txtfloatsep,txtfraction,txtheight,%
111     textwidth,thechapter,theenumi,theenumii,theenumiii,theenumiv,%
112     theequation,theparagraph,thepart,thesection,thesubparagraph,%
113     thesubsection,thesubsubsection,tiny,title,today,topfraction,%
114     topmargin,topskip,tt,widowpenalty,%
115     },%
116     % Keywords of class 1 : keywords that contain other characters (since
117     % of the same class as the ones specified as 'otherkeywords')
118     morekeywords={%
119     },%
120     % Keywords of class 2 : environments names
121     morekeywords=[2]{%
122         abstract,array,center,description,displaymath,document,enumerate,%
123         eqnarray,equation,figure,flushleft,flushright,itemize,list,lrbox,
124         math,%
125         minipage,picture,quotation,quote,sloppypar,tabbing,table,tabular,%
126         thebibliography,theindex,titlepage,trivlist,verbatim,verse,%
127     },%
128     % Keywords of class 3 : mandatory arguments (not environments) &
129     % optional arguments which are keys (in key=value)
130     morekeywords=[3]{%
131         % c,cc,ccc,cccc,X,l,
132         empty,%
133     },%
134     % Keywords of class 4 : values of keys (in key=value)
135     morekeywords=[4]{%
136     },%
137     % Keywords of class 5 : arguments specifications (after ":" in expl3
138     % syntax)
139     morekeywords=[5]{%
140     },%
141     % Keywords of class 6 : current package name (and possibly derived
142     % packages)
143     morekeywords=[6]{%
144         %
145     },
146     otherkeywords={|},%
147     % alsoletter={},% alsodigit={},%
148     % alsoother={},%
149     sensitive,%
150     }[keywords,tex,comments]%
151
152 \lst@definlanguage[listings]{TeX}{%
153     % Control sequences names
154     moretexcs={%

```

```

154     lstDeleteShortInline, lstMakeShortInline, lstalias, lstaspectfiles, %
155     lstdefineformat, lstdefine language, lst@define language, lstdefinestyle
    , %
156     lstindexmacro, lstinline, lstinputlisting, lstlanguagefiles, %
157     lstlgrindefile, lstlistingname, lstlistingnamestyle, %
158     lstlistlistingname, lstlistoflistings, lstloadlanguages, lstname, %
159     lstnewenvironment, lstset, theHlstnumber, thelstlabel, thelstlisting, %
160     thelstnumber, %
161 }, %
162 % Keywords of class 1 : keywords that contain other characters (since
163 % of the same class as the ones specified as 'otherkeywords')
164 morekeywords={%
165 }, %
166 % Keywords of class 2 : environments names
167 morekeywords=[2]{%
168     lstlisting, %
169 }, %
170 % Keywords of class 3 : mandatory arguments (not environments) &
171 % optional arguments which are keys (in key=value)
172 morekeywords=[3]{%
173     0.21, ABAP, ACM, ACMscript, ACSL, Ada, Algol, Ant, Assembler, Awk, %
174     Basic, C, C++, CIL, Caml, Clean, Cobol, Comal 80, Comsol, Delphi, %
175     Eiffel, Elan, Euphoria, Fortran, GAP, GCL, Gnuplot, Go, HTML, Haskell, %
176     IDL, JVMIS, Java, LLVM, Lingo, Lisp, Logo, Lua, ML, Mathematica, Matlab, %
177     Mercury, MetaPost, Miranda, Mizar, Modula-2, MuPAD, NASTRAN, OCL, %
178     OORexx, Oberon-2, Octave, Oz, PHP, PL/I, POV, PSTricks, Pascal, Perl, %
179     Plasm, PostScript, Prolog, Promela, Python, R, RSL, Reduce, Rexx, Ruby, %
180     S, SAS, SHELXL, SPARQL, SQL, Scala, Scilab, Simula, Swift, TeX, %
181     VBScript, VHDL, VRML, Verilog, XML, XSLT, [03]Fortran, [08]Fortran, %
182     [1.0]Mathematica, [11.0]Mathematica, [11]C++, [1974]Cobol, [1985]Cobol,
    %
183     [2005]Ada, [3.0]Mathematica, [5.0]Lua, [5.1]Lua, [5.2]Lua, %
184     [5.2]Mathematica, [5.3]Lua, [60]Algol, [67]Simula, [68]Algol, %
185     [77]Fortran, [83]Ada, [90]Fortran, [95]Ada, [95]Fortran, [97]VRML, %
186     [AMS]VHDL, [ANSI]C, [ANSI]C++, [AllaTeX]TeX, [AspectJ]Java, [Auto]Lisp, %
187     [Borland6]Pascal, [CII]Simula, [CORBA]IDL, [DEC]Simula, [GNU]C++, %
188     [Handel]C, [IBM]Simula, [ISO]C++, [LaTeX]TeX, [Motorola68k]Assembler, %
189     [OMG]OCL, [Objective]C, [Objective]Caml, [PLUS]S, [POSIX]Awk, [R/2
190     4.3]ABAP, [R/2 5.0]ABAP, [R/3 3.1]ABAP, [R/3 4.6C]ABAP, [R/3 6.10]ABAP,
    %
191     [Sharp]C, [Standard]Pascal, [VM/XA]Rexx, [Visual]Basic, [Visual]C++, %
192     [WinXP]command.com, [XSC]Pascal, [common]TeX, [decorative]OCL, %
193     [empty]IDL, [empty]Java, [empty]Lisp, [empty]Rexx, [empty]S, %
194     [empty]VHDL, [empty]make, [empty]tcl, [gnu]Awk, [gnu]make, [ibm]Cobol, %
195     [light]Caml, [plain]TeX, [primitive]TeX, [tk]tcl, [x86masm]Assembler, %
196     abovecaptionskip, aboveskip, alsodigit, alsolanguage, alsoletter, %
197     alsoother, backgroundcolor, basewidth, bash, basicstyle, %
198     belowcaptionskip, belowskip, boxpos, breakatwhitespace, breakautoindent
    , %
199     breakindent, breaklines, caption, captionpos, classoffset, columns, %
200     command.com, comment, comments, commentstyle, consecutivenumbers, csh, %
201     defaultdialect, deletacomment, deletedelim, deletedirectives, %

```

```

202     deleteemph, deleteendkeywords, deletehyperref, deleteindex, %
203     deletekeywordcomment, deletekeywords, deleteprocnamekeys, deletestring
    ,%
204     deletetxcs, delim, directives, directivestyle, draft, elisp, emph, %
205     emphstyle, emptylines, erlang, escapebegin, escapechar, escapeend, %
206     escapeinside, extendedchars, fancyvrb, fillcolor, final, firstline, %
207     firstnumber, flexiblecolumns, float, floatplacement, fontadjust, %
208     formats, formfeed, frame, frameround, framerule, framesep, frameshape, %
209     framexbottommargin, framexleftmargin, framexrightmargin, %
210     framextopmargin, fvcmdparams, gobble, hansl, hyper, hyperanchor, %
211     hyperlink, hyperref, identifierstyle, includerangemarker, index, %
212     indexprocnames, indexstyle, inform, inputencoding, inputpath, %
213     keepspaces, keywordcomment, keywordcommentsemicolon, keywords, %
214     keywordsprefix, keywordstyle, ksh, label, language, lastline, lgrind, %
215     lgrinddef, linerange, lineskip, linewidth, literate, make, makemacrouse, %
216     markfirstintag, mathescape, morecomment, moredelim, moredirectives, %
217     moreemph, moreendkeywords, morefvcmdparams, morehyperref, moreindex, %
218     morekeywordcomment, morekeywords, moreprocnamekeys, morestring, %
219     moretexcs, multicols, name, ndkeywords, ndkeywordstyle, noaspects, %
220     nolol, numberblanklines, numberbychapter, numberfirstline, numbers, %
221     numbersep, numberstyle, otherkeywords, podcomment, postbreak, prebreak, %
222     print, printpod, procnamekeys, procnames, procnamestyle, %
223     rangebeginprefix, rangebeginsuffix, rangeendprefix, rangeendsuffix, %
224     rangeprefix, rangesuffix, resetmargins, rulecolor, rulesep, %
225     rulesepcolor, savemem, sensitive, %
226     sh, showlines, showspaces, showstringspaces, showtabs, stepnumber, %
227     string, stringstyle, style, tab, tabsize, tag, tagstyle, tcl, texcl, %
228     texcs, texcsstyle, title, upquote, usekeywordsintag, xleftmargin, %
229     xrightmargin, LaTeX, TeX, tex%
230 },%
231 % Keywords of class 4 : values of keys (in key=value)
232 morekeywords=[4]{%
233     b,c,t,none,left,right,%
234 },%
235 % Keywords of class 5 : arguments specifications (after ":" in expl3
236 % syntax)
237 morekeywords=[5]{%
238 },%
239 % Keywords of class 6 : current package name (and possibly derived
240 % packages)
241 morekeywords=[6]{%
242     listings,%
243 },%
244 % otherkeywords={},%
245 alsoletter={@021.[ ]},%
246 % alsodigit={},%
247 % alsoother={},%
248 sensitive,%
249 }[keywords, tex, comments]%
250
251 \lst@definlanguage[xcolor]{TeX}{%
252     % Control sequences names

```

```

253 moretexcs={%
254     color,pagecolor,definecolor,colorlet,textcolor,%
255 },%
256 % Keywords of class 1 : keywords that contain other characters (since
257 % of the same class as the ones specified as 'otherkeywords')
258 morekeywords={%
259 },%
260 % Keywords of class 2 : environments names
261 morekeywords=[2]{%
262 },%
263 % Keywords of class 3 : mandatory arguments (not environments) &
264 % optional arguments which are keys (in key=value)
265 morekeywords=[3]{%
266     red,green,blue,cyan,magenta,yellow,black,gray,white,darkgray,%
267     lightgray,brown,lime,olive,orange,pink,purple,teal,violet },%
268 % Keywords of class 4 : values of keys (in key=value)
269 morekeywords=[4]{%
270 },%
271 % Keywords of class 5 : arguments specifications (after ":" in expl3
272 % syntax)
273 morekeywords=[5]{%
274 },%
275 % Keywords of class 6 : current package name (and possibly derived
276 % packages)
277 morekeywords=[6]{%
278     xcolor },%
279 % otherkeywords={},
280 % alsoletter={},
281 % alsodigit={},%
282 % alsoother={},%
283 sensitive,%
284 }[keywords, tex, comments]%
285
286 \lst@definelanguage[expl3]{TeX}{%
287     % Control sequences names
288     moretexcs={%
289         .bool_gset,%
290         ExplFileDate, ExplFileDescription, ExplFileName, ExplFileVersion,%
291         ExplSyntaxOff, ExplSyntaxOn, GetIdInfo, ProvidesExplClass,%
292         ProvidesExplFile, ProvidesExplPackage, bool_case_false, bool_case_true
293         ,%
294         bool_const, bool_do_until, bool_do_while, bool_gset, bool_gset_eq,%
295         bool_gset_false, bool_gset_inverse, bool_gset_true, bool_if,%
296         bool_if_exist, bool_if_exist_p, bool_if_p, bool_lazy_all,%
297         bool_lazy_all_p, bool_lazy_and, bool_lazy_and_p, bool_lazy_any,%
298         bool_lazy_any_p, bool_lazy_or, bool_lazy_or_p, bool_log, bool_new,%
299         bool_not_p, bool_set, bool_set_eq, bool_set_false, bool_set_inverse,%
300         bool_set_true, bool_show, bool_to_str, bool_until_do, bool_while_do,%
301         bool_xor, bool_xor_p, box_autosize_to_wd_and_ht,%
302         box_autosize_to_wd_and_ht_plus_dp, box_clear, box_clear_new, box_clip,
303         ,%
304         box_dp, box_gautosize_to_wd_and_ht,

```

```
box_gautosize_to_wd_and_ht_plus_dp,%
303   box_gclear,box_gclear_new,box_gclip,box_gresize_to_ht,%
304   box_gresize_to_ht_plus_dp,box_gresize_to_wd,
box_gresize_to_wd_and_ht,%
305   box_gresize_to_wd_and_ht_plus_dp,box_grotate,box_gscale,box_gset_dp
,%
306   box_gset_eq,box_gset_eq_drop,box_gset_ht,box_gset_to_last,%
307   box_gset_trim,box_gset_viewport,box_gset_wd,box_ht,box_ht_plus_dp,%
308   box_if_empty,box_if_empty_p,box_if_exist,box_if_exist_p,%
309   box_if_horizontal,box_if_horizontal_p,box_if_vertical,%
310   box_if_vertical_p,box_log,box_move_down,box_move_left,%
311   box_move_right,box_move_up,box_new,box_resize_to_ht,%
312   box_resize_to_ht_plus_dp,box_resize_to_wd,box_resize_to_wd_and_ht,%
313   box_resize_to_wd_and_ht_plus_dp,box_rotate,box_scale,box_set_dp,%
314   box_set_eq,box_set_eq_drop,box_set_ht,box_set_to_last,box_set_trim,
,%
315   box_set_viewport,box_set_wd,box_show,box_use,box_use_drop,box_wd,%
316   c_alignment_token,c_ampersand_str,c_at_sign_str,c_backslash_str,%
317   c_catcode_active_space_tl,c_catcode_active_tl,
c_catcode_letter_token,%
318   c_catcode_other_space_tl,c_catcode_other_token,c_circumflex_str,%
319   c_code_cctab,c_colon_str,c_document_cctab,c_dollar_str,c_e_fp,%
320   c_empty_box,c_empty_clist,c_empty_coffin,c_empty_prop,c_empty_seq,%
321   c_empty_tl,c_false_bool,c_group_begin_token,c_group_end_token,%
322   c_hash_str,c_inf_fp,c_initex_cctab,c_left_brace_str,c_log_iow,%
323   c_math_subscript_token,c_math_superscript_token,c_math_toggle_token
,%
324   c_max_char_int,c_max_dim,c_max_int,c_max_muskip,c_max_register_int,
,%
325   c_max_skip,c_minus_inf_fp,c_minus_zero_fp,c_nan_fp,c_novalue_tl,%
326   c_one_degree_fp,c_one_fp,c_one_int,c_other_cctab,c_parameter_token,
,%
327   c_percent_str,c_pi_fp,c_right_brace_str,c_space_tl,c_space_token,%
328   c_str_cctab,c_sys_backend_str,c_sys_day_int,c_sys_engine_exec_str,%
329   c_sys_engine_format_str,c_sys_engine_str,c_sys_engine_version_str,%
330   c_sys_hour_int,c_sys_jobname_str,c_sys_minute_int,c_sys_month_int,%
331   c_sys_output_str,c_sys_platform_str,c_sys_shell_escape_int,%
332   c_sys_year_int,c_term_iow,c_tilde_str,c_true_bool,c_underscore_str,
,%
333   c_zero_dim,c_zero_fp,c_zero_int,c_zero_muskip,c_zero_skip,%
334   c_zero_str,cctab_begin,cctab_const,cctab_end,cctab_gset,%
335   cctab_if_exist,cctab_if_exist_p,cctab_item,cctab_new,cctab_select,%
336   char_foldcase,char_generate,char_gset_active_eq,char_lowercase,%
337   char_set_active_eq,char_set_catcode,char_set_catcode_active,%
338   char_set_catcode_alignment,char_set_catcode_comment,%
339   char_set_catcode_end_line,char_set_catcode_escape,%
340   char_set_catcode_group_begin,char_set_catcode_group_end,%
341   char_set_catcode_ignore,char_set_catcode_invalid,%
342   char_set_catcode_letter,char_set_catcode_math_subscript,%
343   char_set_catcode_math_superscript,char_set_catcode_math_toggle,%
344   char_set_catcode_other,char_set_catcode_parameter,%
345   char_set_catcode_space,char_set_lccode,char_set_mathcode,%
```

```

346 char_set_sfcode, char_set_uccode, char_show_value_catcode, %
347 char_show_value_lccode, char_show_value_mathcode, %
348 char_show_value_sfcode, char_show_value_uccode, char_str_foldcase, %
349 char_str_lowercase, char_str_titlecase, char_str_uppercase, %
350 char_titlecase, char_to_nfd, char_to_utfviii_bytes, char_uppercase, %
351 char_value_catcode, char_value_lccode, char_value_mathcode, %
352 char_value_sfcode, char_value_uccode, clist_clear, clist_clear_new, %
353 clist_concat, clist_const, clist_count, clist_gclear, clist_gclear_new,
%
354 clist_gconcat, clist_get, clist_gpop, clist_gpush, clist_gput_left, %
355 clist_gput_right, clist_gremove_all, clist_gremove_duplicates, %
356 clist_greverse, clist_gset, clist_gset_eq, clist_gset_from_seq, %
357 clist_gsort, clist_if_empty, clist_if_empty_p, clist_if_exist, %
358 clist_if_exist_p, clist_if_in, clist_item, clist_log, clist_map_break, %
359 clist_map_function, clist_map_inline, clist_map_tokens, %
360 clist_map_variable, clist_new, clist_pop, clist_push, clist_put_left, %
361 clist_put_right, clist_rand_item, clist_remove_all, %
362 clist_remove_duplicates, clist_reverse, clist_set, clist_set_eq, %
363 clist_set_from_seq, clist_show, clist_sort, clist_use, coffin_attach, %
364 coffin_clear, coffin_display_handles, coffin_dp, coffin_gattach, %
365 coffin_gclear, coffin_gjoin, coffin_gresize, coffin_grotate, %
366 coffin_gscale, coffin_gset_eq, coffin_gset_horizontal_pole, %
367 coffin_gset_vertical_pole, coffin_ht, coffin_if_exist, %
368 coffin_if_exist_p, coffin_join, coffin_log, coffin_log_structure, %
369 coffin_mark_handle, coffin_new, coffin_resize, coffin_rotate, %
370 coffin_scale, coffin_set_eq, coffin_set_horizontal_pole, %
371 coffin_set_vertical_pole, coffin_show, coffin_show_structure, %
372 coffin_typeset, coffin_wd, color_ensure_current, color_export, %
373 color_fill, color_group_begin, color_group_end, color_log, color_math, %
374 color_model_new, color_profile_apply, color_select, color_set, %
375 color_set_eq, color_show, color_stroke, cs_argument_spec, cs, cs_end, %
376 cs_generate_from_arg_count, cs_generate_variant, cs_gset, cs_gset_eq, %
377 cs_gset_nopar, cs_gset_protected, cs_gset_protected_nopar, cs_if_eq, %
378 cs_if_eq_p, cs_if_exist, cs_if_exist_p, cs_if_exist_use, cs_if_free, %
379 cs_if_free_p, cs_log, cs_meaning, cs_new, cs_new_eq, cs_new_nopar, %
380 cs_new_protected, cs_new_protected_nopar, cs_prefix_spec, %
381 cs_replacement_spec, cs_set, cs_set_eq, cs_set_nopar, cs_set_protected,
%
382 cs_set_protected_nopar, cs_show, cs_split_function, cs_to_str, %
383 cs_undefine, debug_off, debug_on, debug_resume, debug_suspend, dim_abs, %
384 dim_add, dim_case, dim_compare, dim_compare_p, dim_const, dim_do_until, %
385 dim_do_while, dim_eval, dim_gadd, dim_gset, dim_gset_eq, dim_gsub, %
386 dim_gzero, dim_gzero_new, dim_if_exist, dim_if_exist_p, dim_log, %
387 dim_max, dim_min, dim_new, dim_ratio, dim_set, dim_set_eq, dim_show, %
388 dim_sign, dim_step_function, dim_step_inline, dim_step_variable, %
389 dim_sub, dim_to_decimal, dim_to_decimal_in_bp, dim_to_decimal_in_sp, %
390 dim_to_decimal_in_unit, dim_to_fp, dim_until_do, dim_use, dim_while_do,
%
391 dim_zero, dim_zero_new, draw_begin, draw_end, else, exp_after, exp_args, %
392 exp_args_generate, exp_end, exp_end_continue_f, exp_last_two_unbraced,
%
393 exp_last_unbraced, exp_not, exp_stop_f, expandafter, expanded, fi, %

```



```

394     file_compare_timestamp, file_compare_timestamp_p, file_full_name, %
395     file_get, file_get_full_name, file_get_hex_dump, file_get_md5five_hash,
    %
396     file_get_size, file_get_timestamp, file_hex_dump, file_if_exist, %
397     file_if_exist_input, file_input, file_input_stop, file_log_list, %
398     file_md5five_hash, file_parse_full_name, file_parse_full_name_apply, %
399     file_show_list, file_size, file_timestamp, flag_clear, flag_clear_new, %
400     flag_height, flag_if_exist, flag_if_exist_p, flag_if_raised, %
401     flag_if_raised_p, flag_log, flag_new, flag_raise, flag_raise_if_clear, %
402     flag_show, fp_abs, fp_add, fp_compare, fp_compare_p, fp_const, %
403     fp_do_until, fp_do_while, fp_eval, fp_format, fp_gadd, fp_gset, %
404     fp_gset_eq, fp_gsub, fp_gzero, fp_gzero_new, fp_if_exist, fp_if_exist_p,
    %
405     fp_if_nan, fp_if_nan_p, fp_log, fp_max, fp_min, fp_new, fp_set, %
406     fp_set_eq, fp_show, fp_sign, fp_step_function, fp_step_inline, %
407     fp_step_variable, fp_sub, fp_to_decimal, fp_to_dim, fp_to_int, %
408     fp_to_scientific, fp_to_tl, fp_trap, fp_until_do, fp_use, fp_while_do, %
409     fp_zero, fp_zero_new, farray_count, farray_gset, farray_gzero, %
410     farray_item, farray_item_to_tl, farray_new, g_file_curr_dir_str, %
411     g_file_curr_ext_str, g_file_curr_name_str, g_msg_module_name_prop, %
412     g_msg_module_type_prop, g_peek_token, g_tmpa_bool, g_tmpa_box, %
413     g_tmpa_clist, g_tmpa_coffin, g_tmpa_dim, g_tmpa_fp, g_tmpa_int, %
414     g_tmpa_ior, g_tmpa_iow, g_tmpa_muskip, g_tmpa_prop, g_tmpa_regex, %
415     g_tmpa_seq, g_tmpa_skip, g_tmpa_str, g_tmpa_tl, g_tmpb_bool, g_tmpb_box,
    %
416     g_tmpb_clist, g_tmpb_coffin, g_tmpb_dim, g_tmpb_fp, g_tmpb_int, %
417     g_tmpb_ior, g_tmpb_iow, g_tmpb_muskip, g_tmpb_prop, g_tmpb_regex, %
418     g_tmpb_seq, g_tmpb_skip, g_tmpb_str, g_tmpb_tl, group_align_safe_begin,
    %
419     group_align_safe_end, group_begin, group_end, group_insert_after, %
420     group_log_list, group_show_list, hbox, hbox_gset, hbox_gset_end, %
421     hbox_gset_to_wd, hbox_overlap_center, hbox_overlap_left, %
422     hbox_overlap_right, hbox_set, hbox_set_end, hbox_set_to_wd, hbox_to_wd,
    %
423     hbox_to_zero, hbox_unpack, hbox_unpack_drop, hcoffin_gset, %
424     hcoffin_gset_end, hcoffin_set, hcoffin_set_end, if, if_bool, %
425     if_box_empty, if_case, if_catcode, if_charcode, if_cs_exist, if_dim, %
426     if_eof, if_false, if_hbox, if_int_compare, if_int_odd, if_meaning, %
427     if_mode_horizontal, if_mode_inner, if_mode_math, if_mode_vertical, %
428     if_predicate, if_true, if_vbox, int_abs, int_add, int_case, int_compare, %
429     int_compare_p, int_const, int_decr, int_div_round, int_div_truncate, %
430     int_do_until, int_do_while, int_eval, int_from_alph, int_from_base, %
431     int_from_bin, int_from_hex, int_from_oct, int_from_roman, int_gadd, %
432     int_gdecr, int_gincr, int_gset, int_gset_eq, int_gsub, int_gzero, %
433     int_gzero_new, int_if_even, int_if_even_p, int_if_exist, int_if_exist_p
    ,%
434     int_if_odd, int_if_odd_p, int_incr, int_log, int_max, int_min, int_mod, %
435     int_new, int_rand, int_set, int_set_eq, int_show, int_sign, %
436     int_step_... , int_step_function, int_step_inline, int_step_variable, %
437     int_sub, int_to_Alph, int_to_Base, int_to_Hex, int_to_Roman, %
438     int_to_alph, int_to_arabic, int_to_base, int_to_bin, int_to_hex, %
439     int_to_oct, int_to_roman, int_to_symbols, int_until_do, int_use, %

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```

440     int_value, int_while_do, int_zero, int_zero_new, %
441     intarray_const_from_clist, intarray_count, intarray_gset, %
442     intarray_gset_rand, intarray_gzero, intarray_item, intarray_log, %
443     intarray_new, intarray_rand_item, intarray_show, intarray_to_clist, %
444     ior_close, ior_get, ior_get_term, ior_if_eof, ior_if_eof_p, ior_log, %
445     ior_log_list, ior_map_break, ior_map_inline, ior_map_variable, ior_new,
%
446     ior_open, ior_shell_open, ior_show, ior_show_list, ior_str_get, %
447     ior_str_get_term, ior_str_map_inline, ior_str_map_variable, %
448     iow_allow_break, iow_char, iow_close, iow_indent, iow_log, iow_log_list,
%
449     iow_new, iow_newline, iow_now, iow_open, iow_shipout, iow_shipout_x, %
450     iow_show, iow_show_list, iow_term, iow_wrap, keys_define, %
451     keys_if_choice_exist, keys_if_choice_exist_p, keys_if_exist, %
452     keys_if_exist_p, keys_log, keys_set, keys_set_filter, keys_set_groups, %
453     keys_set_known, keys_show, keyval_parse, l_char_active_seq, %
454     l_char_special_seq, l_color_fixed_model_tl, l_color_math_active_tl, %
455     l_file_search_path_seq, l_iow_line_count_int, l_keys_choice_int, %
456     l_keys_choice_tl, l_keys_key_str, l_keys_path_str, %
457     l_keys_usage_load_prop, l_keys_usage_preamble_prop, l_keys_value_tl, %
458     l_my_int, l_peek_token, l_text_accents_tl, l_text_case_exclude_arg_tl,
%
459     l_text_expand_exclude_tl, l_text_letterlike_tl, l_text_math_arg_tl, %
460     l_text_math_delims_tl, l_text_titlecase_check_letter_bool,
l_tmpa_bool, %
461     l_tmpa_box, l_tmpa_clist, l_tmpa_coffin, l_tmpa_dim, l_tmpa_fp, %
462     l_tmpa_int, l_tmpa_muskip, l_tmpa_prop, l_tmpa_regex, l_tmpa_seq, %
463     l_tmpa_skip, l_tmpa_str, l_tmpa_tl, l_tmpb_bool, l_tmpb_box, %
464     l_tmpb_clist, l_tmpb_coffin, l_tmpb_dim, l_tmpb_fp, l_tmpb_int, %
465     l_tmpb_muskip, l_tmpb_prop, l_tmpb_regex, l_tmpb_seq, l_tmpb_skip, %
466     l_tmpb_str, l_tmpb_tl, legacy_if, legacy_if_gset, legacy_if_gset_false,
%
467     legacy_if_gset_true, legacy_if_p, legacy_if_set, legacy_if_set_false, %
468     legacy_if_set_true, lua_escape, lua_now, lua_shipout, lua_shipout_e, %
469     mode_if_horizontal, mode_if_horizontal_p, mode_if_inner, %
470     mode_if_inner_p, mode_if_math, mode_if_math_p, mode_if_vertical, %
471     mode_if_vertical_p, mode_leave_vertical, msg_critical, %
472     msg_critical_text, msg_error, msg_error_text, msg_expandable_error, %
473     msg_fatal, msg_fatal_text, msg_gset, msg_if_exist, msg_if_exist_p, %
474     msg_info, msg_info_text, msg_line_context, msg_line_number, msg_log, %
475     msg_log_eval, msg_module_name, msg_module_type, msg_new, msg_none, %
476     msg_note, msg_redirect_class, msg_redirect_module, msg_redirect_name, %
477     msg_see_documentation_text, msg_set, msg_show, msg_show_eval, %
478     msg_show_item, msg_show_item_unbraced, msg_term, msg_warning, %
479     msg_warning_text, muskip_add, muskip_const, muskip_eval, muskip_gadd, %
480     muskip_gset, muskip_gset_eq, muskip_gsub, muskip_gzero, %
481     muskip_gzero_new, muskip_if_exist, muskip_if_exist_p, muskip_log, %
482     muskip_new, muskip_set, muskip_set_eq, muskip_show, muskip_sub, %
483     muskip_use, muskip_zero, muskip_zero_new, pdf_destination, %
484     pdf_object_if_exist, pdf_object_if_exist_p, pdf_object_new, %
485     pdf_object_ref, pdf_object_ref_last, pdf_object_unnamed_write, %
486     pdf_object_write, pdf_pageobject_ref, pdf_pagobject_ref,

```



```
pdf_uncompress,%
487 pdf_version, pdf_version_compare, pdf_version_compare_p,%
488 pdf_version_gset, pdf_version_major, pdf_version_min_gset,%
489 pdf_version_minor, peek_N_type, peek_after, peek_analysis_map_break,%
490 peek_analysis_map_inline, peek_catcode, peek_catcode_collect_inline,%
491 peek_catcode_remove, peek_charcode, peek_charcode_collect_inline,%
492 peek_charcode_remove, peek_gafter, peek_meaning,%
493 peek_meaning_collect_inline, peek_meaning_remove, peek_regex,%
494 peek_regex_remove_once, peek_regex_replace_once, peek_remove_filler,%
495 peek_remove_spaces, prg_break, prg_break_point, prg_do_nothing,%
496 prg_generate_conditional_variant, prg_map_break, prg_new_conditional,
%
497 prg_new_eq_conditional, prg_new_protected_conditional, prg_replicate,
%
498 prg_return_false, prg_return_true, prg_set_conditional,%
499 prg_set_eq_conditional, prg_set_protected_conditional, prop_clear,%
500 prop_clear_new, prop_concat, prop_const_from_keyval, prop_count,%
501 prop_gclear, prop_gclear_new, prop_gconcat, prop_get, prop_gpop,%
502 prop_gput, prop_gput_from_keyval, prop_gput_if_new, prop_gremove,%
503 prop_gset_eq, prop_gset_from_keyval, prop_if_empty, prop_if_empty_p,%
504 prop_if_exist, prop_if_exist_p, prop_if_in, prop_if_in_p, prop_item,%
505 prop_log, prop_map_break, prop_map_function, prop_map_inline,%
506 prop_map_tokens, prop_new, prop_pop, prop_put, prop_put_from_keyval,%
507 prop_put_if_new, prop_rand_key_value, prop_remove, prop_set_eq,%
508 prop_set_from_keyval, prop_show, prop_to_keyval, q_mark, q_nil,%
509 q_no_value, q_recursion_stop, q_recursion_tail, q_stop, quark_if_nil,%
510 quark_if_nil_p, quark_if_no_value, quark_if_no_value_p,%
511 quark_if_recursion_tail_break, quark_if_recursion_tail_stop,%
512 quark_if_recursion_tail_stop_do, quark_new, regex_const, regex_count,%
513 regex_extract_all, regex_extract_once, regex_gset, regex_log,%
514 regex_match, regex_match_case, regex_new, regex_replace,%
515 regex_replace_all, regex_replace_case_all, regex_replace_case_once,%
516 regex_replace_once, regex_set, regex_show, regex_split, reverse_if,%
517 s_stop, scan_new, scan_stop, seq_clear, seq_clear_new, seq_concat,%
518 seq_const_from_clist, seq_count, seq_gclear, seq_gclear_new,%
519 seq_gconcat, seq_get, seq_get_left, seq_get_right, seq_gpop,%
520 seq_gpop_item, seq_gpop_left, seq_gpop_right, seq_gpush, seq_gput_left,
%
521 seq_gput_right, seq_gremove_all, seq_gremove_duplicates, seq_greverse,
%
522 seq_gset_eq, seq_gset_filter, seq_gset_from_clist,%
523 seq_gset_from_function, seq_gset_from_inline_x, seq_gset_item,%
524 seq_gset_map, seq_gset_map_x, seq_gset_split,%
525 seq_gset_split_keep_spaces, seq_gshuffle, seq_gsort, seq_if_empty,%
526 seq_if_empty_p, seq_if_exist, seq_if_exist_p, seq_if_in, seq_item,%
527 seq_log, seq_map_break, seq_map_function, seq_map_indexed_function,%
528 seq_map_indexed_inline, seq_map_inline, seq_map_tokens,%
529 seq_map_variable, seq_mapthread_function, seq_new, seq_pop,%
530 seq_pop_item, seq_pop_left, seq_pop_right, seq_push, seq_put_left,%
531 seq_put_right, seq_rand_item, seq_remove_all, seq_remove_duplicates,%
532 seq_reverse, seq_set_eq, seq_set_filter, seq_set_from_clist,%
533 seq_set_from_function, seq_set_from_inline_x, seq_set_item,
```

```

seq_set_map,%
534   seq_set_map_x,seq_set_split,seq_set_split_keep_spaces,seq_show,%
535   seq_shuffle,seq_sort,seq_use,skip_add,skip_const,skip_eval,%
536   skip_gadd,skip_gset,skip_gset_eq,skip_gsub,skip_gzero,%
537   skip_gzero_new,skip_horizontal,skip_if_eq,skip_if_eq_p,%
538   skip_if_exist,skip_if_exist_p,skip_if_finite,skip_if_finite_p,%
539   skip_log,skip_new,skip_set,skip_set_eq,skip_show,skip_sub,%
540   skip_use,skip_vertical,skip_zero,skip_zero_new,sort_return_same,%
541   sort_return_swapped,str_case,str_case_e,str_clear,str_clear_new,%
542   str_compare,str_compare_p,str_concat,str_const,str_convert_pdfname,
%,
543   str_count,str_count_ignore_spaces,str_count_spaces,str_foldcase,%
544   str_gclear,str_gconcat,str_gput_left,str_gput_right,str_gremove_all
%,
545   str_gremove_once,str_greplace_all,str_greplace_once,str_gset,%
546   str_gset_convert,str_gset_eq,str_head,str_head_ignore_spaces,%
547   str_if_empty,str_if_empty_p,str_if_eq,str_if_eq_p,str_if_exist,%
548   str_if_exist_p,str_if_in,str_item,str_item_ignore_spaces,str_log,%
549   str_lowercase,str_map_break,str_map_function,str_map_inline,%
550   str_map_tokens,str_map_variable,str_new,str_put_left,str_put_right,
%,
551   str_range,str_range_ignore_spaces,str_remove_all,str_remove_once,%
552   str_replace_all,str_replace_once,str_set,str_set_convert,str_set_eq
%,
553   str_show,str_tail,str_tail_ignore_spaces,str_uppercase,str_use,%
554   sys_finalise,sys_get_shell,sys_gset_rand_seed,sys_if_engine luatex,
%,
555   sys_if_engine luatex_p,sys_if_engine pdftex,sys_if_engine pdftex_p,
%,
556   sys_if_engine ptex,sys_if_engine ptex_p,sys_if_engine uptex,%
557   sys_if_engine uptex_p,sys_if_engine xetex,sys_if_engine xetex_p,%
558   sys_if_output_dvi,sys_if_output_dvi_p,sys_if_output_pdf,%
559   sys_if_output_pdf_p,sys_if_platform_unix,sys_if_platform_unix_p,%
560   sys_if_platform_windows,sys_if_platform_windows_p,sys_if_rand_exist
%,
561   sys_if_rand_exist_p,sys_if_shell,sys_if_shell_p,%
562   sys_if_shell_restricted,sys_if_shell_restricted_p,%
563   sys_if_shell_unrestricted,sys_if_shell_unrestricted_p,%
564   sys_load_backend,sys_load_debug,sys_rand_seed,sys_shell_now,%
565   sys_shell_shipout,sys_timer,text_declare_expand_equivalent,%
566   text_declare_purify_equivalent,text_expand,text_lowercase,%
567   text_purify,text_titlecase,text_titlecase_first,text_uppercase,%
568   tl_analysis_log,tl_analysis_map_inline,tl_analysis_show,%
569   tl_build_begin,tl_build_clear,tl_build_end,tl_build_gbegin,%
570   tl_build_gclear,tl_build_gend,tl_build_get,tl_build_gput_left,%
571   tl_build_gput_right,tl_build_put_left,tl_build_put_right,tl_case,%
572   tl_clear,tl_clear_new,tl_concat,tl_const,tl_count,tl_count_tokens,%
573   tl_gclear,tl_gclear_new,tl_gconcat,tl_gput_left,tl_gput_right,%
574   tl_gremove_all,tl_gremove_once,tl_greplace_all,tl_greplace_once,%
575   tl_greverse,tl_gset,tl_gset_eq,tl_gset_rescan,tl_gsort,%
576   tl_gtrim_spaces,tl_head,tl_if_blank,tl_if_blank_p,tl_if_empty,%
577   tl_if_empty_p,tl_if_eq,tl_if_eq_p,tl_if_exist,tl_if_exist_p,%

```

```

578     tl_if_head_eq_catcode,tl_if_head_eq_catcode_p,
tl_if_head_eq_charcode,%
579     tl_if_head_eq_charcode_p,tl_if_head_eq_meaning,%
580     tl_if_head_eq_meaning_p,tl_if_head_is_N_type,tl_if_head_is_N_type_p
,%
581     tl_if_head_is_group,tl_if_head_is_group_p,tl_if_head_is_space,%
582     tl_if_head_is_space_p,tl_if_in,tl_if_novalue,tl_if_novalue_p,%
583     tl_if_single,tl_if_single_p,tl_if_single_token,tl_if_single_token_p
,%
584     tl_item,tl_log,tl_map_break,tl_map_function,tl_map_inline,%
585     tl_map_tokens,tl_map_variable,tl_new,tl_put_left,tl_put_right,%
586     tl_rand_item,tl_range,tl_range_braced,tl_range_unbraced,%
587     tl_remove_all,tl_remove_once,tl_replace_all,tl_replace_once,%
588     tl_rescan,tl_reverse,tl_reverse_items,tl_set,tl_set_eq,%
589     tl_set_rescan,tl_show,tl_sort,tl_tail,tl_to_str,tl_trim_spaces,%
590     tl_trim_spaces_apply,tl_use,token_case_catcode,token_case_charcode,
%
591     token_case_meaning,token_if_active,token_if_active_p,%
592     token_if_alignment,token_if_alignment_p,token_if_chardef,%
593     token_if_chardef_p,token_if_cs,token_if_cs_p,token_if_dim_register,
%
594     token_if_dim_register_p,token_if_eq_catcode,token_if_eq_catcode_p,%
595     token_if_eq_charcode,token_if_eq_charcode_p,token_if_eq_meaning,%
596     token_if_eq_meaning_p,token_if_expandable,token_if_expandable_p,%
597     token_if_font_selection,token_if_font_selection_p,%
598     token_if_group_begin,token_if_group_begin_p,token_if_group_end,%
599     token_if_group_end_p,token_if_int_register,token_if_int_register_p,
%
600     token_if_letter,token_if_letter_p,token_if_long_macro,%
601     token_if_long_macro_p,token_if_macro,token_if_macro_p,%
602     token_if_math_subscript,token_if_math_subscript_p,%
603     token_if_math_superscript,token_if_math_superscript_p,%
604     token_if_math_toggle,token_if_math_toggle_p,token_if_mathchardef,%
605     token_if_mathchardef_p,token_if_muskip_register,%
606     token_if_muskip_register_p,token_if_other,token_if_other_p,%
607     token_if_parameter,token_if_parameter_p,token_if_primitive,%
608     token_if_primitive_p,token_if_protected_long_macro,%
609     token_if_protected_long_macro_p,token_if_protected_macro,%
610     token_if_protected_macro_p,token_if_skip_register,%
611     token_if_skip_register_p,token_if_space,token_if_space_p,%
612     token_if_toks_register,token_if_toks_register_p,token_to_meaning,%
613     token_to_str,unvcopy,use,use_i,use_i_delimit_by_q_nil,%
614     use_i_delimit_by_q_recursion_stop,use_i_delimit_by_q_stop,use_ii,
%
615     use_ii,use_ii_i,use_iii,use_iv,use_none,use_none_delimit_by_q_nil,%
616     use_none_delimit_by_q_recursion_stop,use_none_delimit_by_q_stop,%
617     use_none_delimit_by_s_stop,vbox,vbox_gset,vbox_gset_end,%
618     vbox_gset_split_to_ht,vbox_gset_to_ht,vbox_gset_top,vbox_set,%
619     vbox_set_end,vbox_set_split_to_ht,vbox_set_to_ht,vbox_set_top,%
620     vbox_to_ht,vbox_to_zero,vbox_top,vbox_unpack,vbox_unpack_drop,%
621     vcoffin_gset,vcoffin_gset_end,vcoffin_set,vcoffin_set_end,%
622 },%

```

```

623 % Keywords of class 1 : keywords that contain other characters (since
624 % of the same class as the ones specified as 'otherkeywords')
625 morekeywords={%
626 },%
627 % Keywords of class 2 : environments names
628 morekeywords=[2]{%
629 },%
630 % Keywords of class 3 : mandatory arguments (not environments) &
631 % optional arguments which are keys (in key=value)
632 morekeywords=[3]{%
633     name, alternative-model, alternative-values,%
634 },%
635 % Keywords of class 4 : values of keys (in key=value)
636 morekeywords=[4]{%
637     cmyk,%
638 },%
639 % Keywords of class 5 : arguments specifications (after ":" in expl3
640 % syntax)
641 morekeywords=[5]{%
642     D, N, Nn, NF, NN, Nx, NT, NTF, NNn, NnV, Nnn, Npn, Nnnn, V, c, e, en, f, n, nF,%
643     nn, nT, nnn, nnF, nnV, nTF, nnnn, nNnF, nNnT, nnVV, o, p, v, w, x,%
644 },%
645 % Keywords of class 6 : current package name (and possibly derived
646 % packages)
647 morekeywords=[6]{%
648     expl3,%
649 },
650 otherkeywords={:, ~},%
651 alsoletter={_-.},%
652 % alsodigit={},%
653 % alsoother={},%
654 sensitive,%
655 }[keywords, tex, comments]%
656
657 \lst@definlanguage[pdftex]{TeX}{%
658 % Control sequences names
659 moretexcs={%
660     pdfinfo, pdfcatalog, pdfpageattr, pdfpagesattr, pdfpageresources,%
661     pdfcolorstack,%
662 },%
663 % Keywords of class 1 : keywords that contain other characters (since
664 % of the same class as the ones specified as 'otherkeywords')
665 morekeywords={%
666 },%
667 % Keywords of class 2 : environments names
668 morekeywords=[2]{%
669 },%
670 % Keywords of class 3 : mandatory arguments (not environments) &
671 % optional arguments which are keys (in key=value)
672 morekeywords=[3]{%
673 },%
674 % Keywords of class 4 : values of keys (in key=value)

```

```
675     morekeywords=[4]{%
676     },%
677     % Keywords of class 5 : arguments specifications (after ":" in expl3
678     % syntax)
679     morekeywords=[5]{%
680     },%
681     % Keywords of class 6 : current package name (and possibly derived
682     % packages)
683     morekeywords=[6]{%
684     pdftex,%
685     },%
686     % otherkeywords={},
687     % alsoletter={},
688     % alsodigit={},%
689     % alsoother={},%
690     sensitive,%
691 }[keywords, tex, comments]%
692
693 \lst@definlanguage[luatex]{TeX}{%
694     % Control sequences names
695     moretexcs={%
696     pdfextension, ifluatex, directlua,%
697     },%
698     % Keywords of class 1 : keywords that contain other characters (since
699     % of the same class as the ones specified as 'otherkeywords')
700     morekeywords={%
701     },%
702     % Keywords of class 2 : environments names
703     morekeywords=[2]{%
704     },%
705     % Keywords of class 3 : mandatory arguments (not environments) &
706     % optional arguments which are keys (in key=value)
707     morekeywords=[3]{%
708     colorstack },%
709     % Keywords of class 4 : values of keys (in key=value)
710     morekeywords=[4]{%
711     },%
712     % Keywords of class 5 : arguments specifications (after ":" in expl3
713     % syntax)
714     morekeywords=[5]{%
715     },%
716     % Keywords of class 6 : current package name (and possibly derived
717     % packages)
718     morekeywords=[6]{%
719     luatex,%
720     },%
721     % otherkeywords={},
722     % alsoletter={},
723     % alsodigit={},%
724     % alsoother={},%
725     sensitive,%
726 }[keywords, tex, comments]%
```

```

727
728 \lst@definlanguage[dvips]{TeX}{%
729   % Control sequences names
730   moretexcs={%
731     },%
732   % Keywords of class 1 : keywords that contain other characters (since
733   % of the same class as the ones specified as 'otherkeywords')
734   morekeywords={%
735     },%
736   % Keywords of class 2 : environments names
737   morekeywords=[2]{%
738     },%
739   % Keywords of class 3 : mandatory arguments (not environments) &
740   % optional arguments which are keys (in key=value)
741   morekeywords=[3]{%
742     color,push,%
743     },%
744   % Keywords of class 4 : values of keys (in key=value)
745   morekeywords=[4]{%
746     },%
747   % Keywords of class 5 : arguments specifications (after ":" in expl3
748   % syntax)
749   morekeywords=[5]{%
750     },%
751   % Keywords of class 6 : current package name (and possibly derived
752   % packages)
753   morekeywords=[6]{%
754     dvips,%
755     },%
756   % otherkeywords={},
757   % alsoletter={},
758   % alsodigit={},%
759   % alsoother={},%
760   sensitive,%
761 }[keywords, tex, comments]%
762
763 \lst@definlanguage[xetex]{TeX}{%
764   % Control sequences names
765   moretexcs={%
766     },%
767   % Keywords of class 1 : keywords that contain other characters (since
768   % of the same class as the ones specified as 'otherkeywords')
769   morekeywords={%
770     },%
771   % Keywords of class 2 : environments names
772   morekeywords=[2]{%
773     },%
774   % Keywords of class 3 : mandatory arguments (not environments) &
775   % optional arguments which are keys (in key=value)
776   morekeywords=[3]{%
777     pdfcolorstack,%
778     },%

```

```
779 % Keywords of class 4 : values of keys (in key=value)
780 morekeywords=[4]{%
781 },%
782 % Keywords of class 5 : arguments specifications (after ":" in expl3
783 % syntax)
784 morekeywords=[5]{%
785 },%
786 % Keywords of class 6 : current package name (and possibly derived
787 % packages)
788 morekeywords=[6]{%
789 xetex,%
790 },%
791 % otherkeywords={},
792 % alsoletter={},
793 % alsodigit={},%
794 % alsoother={},%
795 sensitive,%
796 }[keywords, tex, comments]%
797
798 \lst@definelanguage[inputenc]{TeX}{%
799 % Control sequences names
800 moretexcs={%
801 },%
802 % Keywords of class 1 : keywords that contain other characters (since
803 % of the same class as the ones specified as 'otherkeywords')
804 morekeywords={%
805 },%
806 % Keywords of class 2 : environments names
807 morekeywords=[2]{%
808 },%
809 % Keywords of class 3 : mandatory arguments (not environments) &
810 % optional arguments which are keys (in key=value)
811 morekeywords=[3]{%
812 latin1 },%
813 % Keywords of class 4 : values of keys (in key=value)
814 morekeywords=[4]{%
815 },%
816 % Keywords of class 5 : arguments specifications (after ":" in expl3
817 % syntax)
818 morekeywords=[5]{%
819 },%
820 % Keywords of class 6 : current package name (and possibly derived
821 % packages)
822 morekeywords=[6]{%
823 inputenc,%
824 },%
825 % otherkeywords={},%
826 alsoletter={1},%
827 % alsodigit={},%
828 % alsoother={},%
829 sensitive,%
830 }[keywords, tex, comments]%
```



```

831
832 \lst@definlanguage[pdfmanagement-testphase]{TeX}{%
833   % Control sequences names
834   moretexcs={%
835     pdfmanagement_add,DeclareDocumentMetadata,AddToDocumentProperties,%
836     ShowDocumentProperties,GetDocumentProperties,%
837   },%
838   % Keywords of class 1 : keywords that contain other characters (since
839   % of the same class as the ones specified as 'otherkeywords')
840   morekeywords={%
841   },%
842   % Keywords of class 2 : environments names
843   morekeywords=[2]{%
844   },%
845   % Keywords of class 3 : mandatory arguments (not environments) &
846   % optional arguments which are keys (in key=value)
847   morekeywords=[3]{% Keys or optional arguments
848     pdfmanagement-testphase,uncompress,geometry,top-level,backend,Info,%
849     %
850     ThisPage,pdfversion,pdfstandard,paper,topic,Title,Rotate,%
851   },%
852   % Keywords of class 4 : values of keys (in key=value)
853   morekeywords=[4]{%
854     dvipdfmx,%
855   },%
856   % Keywords of class 5 : arguments specifications (after ":" in expl3
857   % syntax)
858   morekeywords=[5]{%
859     nnn,%
860   },%
861   % Keywords of class 6 : current package name (and possibly derived
862   % packages)
863   morekeywords=[6]{%
864     pdfmanagement-testphase,%
865   },
866   otherkeywords={:},%
867   alsoletter={-},%
868   % alsodigit={},%
869   % alsoother={},%
870   sensitive,%
871 }[keywords,tex,comments]%
872
873 \lst@definlanguage[rotating]{TeX}{%
874   % Control sequences names
875   moretexcs={%
876   },%
877   % Keywords of class 1 : keywords that contain other characters (since
878   % of the same class as the ones specified as 'otherkeywords')
879   morekeywords={%
880   },%
881   % Keywords of class 2 : environments names
882   morekeywords=[2]{%

```



```

882     \sidewaystable,%
883   },%
884   % Keywords of class 3 : mandatory arguments (not environments) &
885   % optional arguments which are keys (in key=value)
886   morekeywords=[3]{%
887   },%
888   % Keywords of class 4 : values of keys (in key=value)
889   morekeywords=[4]{%
890   },%
891   % Keywords of class 5 : arguments specifications (after ":" in expl3
892   % syntax)
893   morekeywords=[5]{%
894   },%
895   % Keywords of class 6 : current package name (and possibly derived
896   % packages)
897   morekeywords=[6]{%
898     \rotating,%
899   },%
900   % alsoletter={},
901   % alsodigit={},%
902   % alsoother={},%
903   sensitive,%
904 }[keywords, tex, comments]%
905
906 \lst@definlanguage[fontenc]{TeX}%
907 {%
908   % Control sequences names
909   moretexcs={%
910   },%
911   % Keywords of class 1 : keywords that contain other characters (since
912   % of the same class as the ones specified as 'otherkeywords')
913   morekeywords={%
914   },%
915   % Keywords of class 2 : environments names
916   morekeywords=[2]{%
917   },%
918   % Keywords of class 3 : mandatory arguments (not environments) &
919   % optional arguments which are keys (in key=value)
920   morekeywords=[3]{%
921     T1 },%
922   % Keywords of class 4 : values of keys (in key=value)
923   morekeywords=[4]{%
924   },%
925   % Keywords of class 5 : arguments specifications (after ":" in expl3
926   % syntax)
927   morekeywords=[5]{%
928   },%
929   % Keywords of class 6 : current package name (and possibly derived
930   % packages)
931   morekeywords=[6]{%
932     fontenc,%
933   },%

```

```

934     % otherkeywords={},
935     % alsoletter={1},%
936     alsodigit={1},%
937     % alsoother={},%
938     sensitive,%
939 }[keywords, tex, comments]%
940
941 \lst@definlanguage[babel]{TeX}%
942 {%
943     % Control sequences names
944     moretexcs={%
945         foreignlanguage,selectlanguage,iflanguage,%
946     },%
947     % Keywords of class 1 : keywords that contain other characters (since
948     % of the same class as the ones specified as 'otherkeywords')
949     morekeywords={%
950     },%
951     % Keywords of class 2 : environments names
952     morekeywords=[2]{%
953         otherlanguage,%
954     },%
955     % Keywords of class 3 : mandatory arguments (not environments) &
956     % optional arguments which are keys (in key=value)
957     morekeywords=[3]{%
958     },%
959     % Keywords of class 4 : values of keys (in key=value)
960     morekeywords=[4]{%
961         UKenglish,USenglish,acadian,afrikaans,american,arabic,australian,%
962         austrian,azerbaijani,bahasa,bahasai,basque,bgreek,brazil,%
963         brazilian,breton,british,bulgarian,canadian,canadien,catalan,%
964         croatian,czech,danish,dutch,english,esperanto,estonian,ethiop,%
965         farsi,finnish,français,french,frenchle,friulan,galician,german,%
966         germanb,greek,hebrew,hindi,ibygreek,icelandic,indon,indonesian,%
967         interlingua,irish,italian,japanese,latin,latvian,lithuanian,%
968         lowersorbian,magyar,malay,melayu (bahasam),mongolian,naustrian,%
969         newzealand,ngerman,norsk,nynorsk,pinyin,polish,polutonikogreek,%
970         portuges,portuguese,romanian,romansh,russian,samin,scottish,%
971         serbian,serbianc,slovak,slovene,spanglish,spanish,swedish,thai,%
972         thaicjk,turkish,turkmen,ukrainian,uppersorbian,vietnamese,%
973         welsh,%
974     },%
975     % Keywords of class 5 : arguments specifications (after ":" in expl3
976     % syntax)
977     morekeywords=[5]{%
978     },%
979     % Keywords of class 6 : current package name (and possibly derived
980     % packages)
981     morekeywords=[6]{%
982         babel,%
983     },%
984     % otherkeywords={},
985     % alsoletter={},

```

```

986     % alsodigit={},%
987     % alsoother={},%
988     sensitive,%
989 }[keywords, tex, comments]%
990
991 \lst@definlanguage[babel-french]{TeX}%
992 {%
993     % Control sequences names
994     moretexcs={%
995         og, fg, up, bsc, ier, iers, iere, ieres, ieme, iemes, primo, secundo, %
996         tertio, quarto, FrenchEnumerate, No, Nos, no, nos, degre, nombre, %
997         frenchabstractname, frenchbibname, frenchrefname, frenchprefacename, %
998         frenchchaptername, frenchappendixname, frenchcontentsname, %
999         frenchlistfigurename, frenchlisttablename, frenchindexname, %
1000        frenchglossaryname, frenchfigurename, frenchtablename, frenchpartname,
        %
1001        frenchenclname, frenchccname, frenchheadtoname, frenchpagename, %
1002        frenchseenname, frenchalsoname, frenchproofname%, %
1003        frquote, %
1004    }, %
1005    % Keywords of class 1 : keywords that contain other characters (since
1006    % of the same class as the ones specified as 'otherkeywords')
1007    morekeywords={%
1008    }, %
1009    % Keywords of class 2 : environments names
1010    morekeywords=[2]{%
1011    }, %
1012    % Keywords of class 3 : mandatory arguments (not environments) &
1013    % optional arguments which are keys (in key=value)
1014    morekeywords=[3]{%
1015    }, %
1016    % Keywords of class 4 : values of keys (in key=value)
1017    morekeywords=[4]{%
1018    }, %
1019    % Keywords of class 5 : arguments specifications (after ":" in expl3
1020    % syntax)
1021    morekeywords=[5]{%
1022    }, %
1023    % Keywords of class 6 : current package name (and possibly derived
1024    % packages)
1025    morekeywords=[6]{%
1026        babel-french, %
1027    }, %
1028    % otherkeywords={}, %
1029    alsoletter={-}, %
1030    % alsodigit={}, %
1031    % alsoother={}, %
1032    sensitive, %
1033 }[keywords, tex, comments]%
1034
1035 \lst@definlanguage[kantlipsum]{TeX}{%
1036     % Control sequences names

```

```

1037     moretexcs={%
1038         kant,%
1039     },%
1040     % Keywords of class 1 : keywords that contain other characters (since
1041     % of the same class as the ones specified as 'otherkeywords')
1042     morekeywords={%
1043     },%
1044     % Keywords of class 2 : environments names
1045     morekeywords=[2]{%
1046     },%
1047     % Keywords of class 3 : mandatory arguments (not environments) &
1048     % optional arguments which are keys (in key=value)
1049     morekeywords=[3]{%
1050     },%
1051     % Keywords of class 4 : values of keys (in key=value)
1052     morekeywords=[4]{%
1053     },%
1054     % Keywords of class 5 : arguments specifications (after ":" in expl3
1055     % syntax)
1056     morekeywords=[5]{%
1057     },%
1058     % Keywords of class 6 : current package name (and possibly derived
1059     % packages)
1060     morekeywords=[6]{%
1061         kantlipsum,%
1062     },%
1063     % otherkeywords={},
1064     % alsoletter={},
1065     % alsodigit={},%
1066     % alsoother={},%
1067     sensitive,%
1068 }[keywords, tex, comments]%
1069
1070 \lst@definlanguage[hyperxmp]{TeX}{%
1071     % Control sequences names
1072     moretexcs={%
1073     },%
1074     % Keywords of class 1 : keywords that contain other characters (since
1075     % of the same class as the ones specified as 'otherkeywords')
1076     morekeywords={%
1077     },%
1078     % Keywords of class 2 : environments names
1079     morekeywords=[2]{%
1080     },%
1081     % Keywords of class 3 : mandatory arguments (not environments) &
1082     % optional arguments which are keys (in key=value)
1083     morekeywords=[3]{%
1084     },%
1085     % Keywords of class 4 : values of keys (in key=value)
1086     morekeywords=[4]{%
1087     },%
1088     % Keywords of class 5 : arguments specifications (after ":" in expl3

```

```

1089     % syntax)
1090     morekeywords=[5]{%
1091     },%
1092     % Keywords of class 6 : current package name (and possibly derived
1093     % packages)
1094     morekeywords=[6]{%
1095         hyperxmp,%
1096     },%
1097     % otherkeywords={},
1098     % alsoletter={},
1099     % alsodigit={},%
1100     % alsoother={},%
1101     sensitive,%
1102 }[keywords, tex, comments]%
1103
1104 \lst@definlanguage[hyperref]{TeX}{%
1105     % Control sequences names
1106     moretexcs={%
1107         hypersetup, href, phantomsection, pdfstringdefDisableCommands, url,%
1108         nolinkurl, hyperbaseurl, hyperimage, hyperdef, hyperref, hyperlink,%
1109         hypertarget, hyperget, autoref, autopageref, ref*, pageref*, autoref*,%
1110         autopageref*, pdfstringdef, pdfbookmark, currentpdfbookmark,%
1111         subpdfbookmark, belowpdfbookmark, texorpdfstring, thispdfpagelabel,%
1112         hypercalcbp, nameref,%
1113     },%
1114     % Keywords of class 1 : keywords that contain other characters (since
1115     % of the same class as the ones specified as 'otherkeywords')
1116     morekeywords={%
1117     },%
1118     % Keywords of class 2 : environments names
1119     morekeywords=[2]{%
1120     },%
1121     % Keywords of class 3 : mandatory arguments (not environments) &
1122     % optional arguments which are keys (in key=value)
1123     morekeywords=[3]{%
1124         allbordercolors, allcolors, anchorcolor, backref, baseurl, bookmarks,%
1125         bookmarksnumbered, bookmarksopen, bookmarksopenlevel, bookmarkstype,%
1126         breaklinks, CJKbookmarks, citebordercolor, citecolor, colorlinks, debug,%
1127         destlabel, draft, driverfallback, dvipdfm, dvipdfmx, dvips, dvipsone,%
1128         dviwindo, encap, extension, filebordercolor, filecolor, final,%
1129         frenchlinks, hidelinks, hyperfigures, hyperfootnotes, hyperindex,%
1130         hypertex, hypertexnames, implicit, latex2html, linkbordercolor,%
1131         linkcolor, linktoc, linktocpage, menubordercolor, menucolor, nativepdf,%
1132         naturalnames, nesting, next-anchor, pageanchor, pagebackref, pdfauthor,%
1133         pdfborder, pdfborderstyle, pdfcenterwindow, pdfcreator, pdfdirection,%
1134         pdfdisplaydoctitle, pdfduplex, pdfffitwindow, pdfhighlight, pdfinfo,%
1135         pdfkeywords, pdflang, pdfmark, pdfmenubar, pdfnewwindow,%
1136         pdfnonfullscreenpagemode, pdfnumcopies, pdfpagelabels, pdfpagelayout,%
1137         pdfpagemode, pdfpagescrop, pdfpagetransition, pdfpicktraybypdfsize,%
1138         pdfprintarea, pdfprintclip, pdfprintpagerange, pdfprintscaling,%
1139         pdfproducer, pdfremotestartview, pdfstartpage, pdfstartview, pdfsubject

```

```

,%
1140   pdftex, pdftitle, pdftoolbar, pdftrapped, pdfview, pdfviewarea, %
1141   pdfviewclip, pdfwindowui, plainpages, ps2pdf, psdextra, raiselinks, %
1142   runbordercolor, runcolor, setpagesize, tex4ht, textures, unicode, %
1143   urlbordercolor, urlcolor, verbose, vtex, xetex, %
1144   }, %
1145   % Keywords of class 4 : values of keys (in key=value)
1146   morekeywords=[4]{%
1147   }, %
1148   % Keywords of class 5 : arguments specifications (after ":" in expl3
1149   % syntax)
1150   morekeywords=[5]{%
1151   }, %
1152   % Keywords of class 6 : current package name (and possibly derived
1153   % packages)
1154   morekeywords=[6]{%
1155     hyperref, %
1156   }, %
1157   % otherkeywords={}, %
1158   alsoletter={*}, %
1159   % alsodigit={}, %
1160   % alsoother={}, %
1161   sensitive, %
1162 }[keywords, tex, comments]%
1163
1164 \lst@definlanguage[graphicx]{TeX}{%
1165   % Control sequences names
1166   moretexcs={%
1167     includegraphics, includegraphics*, definecolor, color, textcolor, %
1168     mathcolor, pagecolor, nopagecolor, colorbox, fcolorbox, rotatebox, %
1169     scalebox, reflectbox, resizebox, resizebox*, graphicspath, %
1170     DeclareGraphicsExtensions, DeclareGraphicsRule }, %
1171   % Keywords of class 1 : keywords that contain other characters (since
1172   % of the same class as the ones specified as 'otherkeywords')
1173   morekeywords={%
1174   }, %
1175   % Keywords of class 2 : environments names
1176   morekeywords=[2]{%
1177   }, %
1178   % Keywords of class 3 : mandatory arguments (not environments) &
1179   % optional arguments which are keys (in key=value)
1180   morekeywords=[3]{%
1181     draft, final, hiresbb, demo, setpagesize, nosetpagesize, dvips, xdvi, %
1182     dvipdf, dvipdfm, dvipdfmx, xetex, pdftex, luatex, dvisvgm, dvipsone, %
1183     dviwindo, emtex, dviwin, oztex, textures, pctexps, pctexwin, pctexhp, %
1184     pctex32, truetex, tcidvi, vtex, debugshow, hiderotate, hidescale, alt, %
1185     %
1186     bb, bblx, bblly, bburx, bbury, natwidth, natheight, hiresbb, pagebox, %
1187     viewport, trim, angle, origin, width, height, totalheight, %
1188     keepaspectratio, scale, clip, draft, type, ext, read, command, quiet, %
1189     page, interpolate, decodearray, origin, x, y, units, %
1190   }, %

```

```

1191 % Keywords of class 4 : values of keys (in key=value)
1192 morekeywords=[4]{%
1193     mediabox,cropbox,bleedbox,trimbox,artbox,true,false,%
1194 },%
1195 % Keywords of class 5 : arguments specifications (after ":" in expl3
1196 % syntax)
1197 morekeywords=[5]{%
1198 },%
1199 % Keywords of class 6 : current package name (and possibly derived
1200 % packages)
1201 morekeywords=[6]{%
1202     graphicx,%
1203 },%
1204 % otherkeywords={},%
1205 alsoletter={23},%
1206 % alsodigit={},%
1207 % alsoother={},%
1208 sensitive,%
1209 }[keywords, tex, comments]%
1210
1211 \lst@definlanguage[geometry]{TeX}{%
1212 % Control sequences names
1213 moretexcs={%
1214     geometry,newgeometry,restoregeometry,savegeometry,loadgeometry,%
1215 },%
1216 % Keywords of class 1 : keywords that contain other characters (since
1217 % of the same class as the ones specified as 'otherkeywords')
1218 morekeywords={%
1219 },%
1220 % Keywords of class 2 : environments names
1221 morekeywords=[2]{%
1222 },%
1223 % Keywords of class 3 : mandatory arguments (not environments) &
1224 % optional arguments which are keys (in key=value)
1225 morekeywords=[3]{%
1226     paper,papername,paperwidth,paperheight,papersize,landscape,%
1227     portrait,layout,layoutwidth,layoutheight,layoutsize,layoutoffset,%
1228     layoutvoffset,layoutoffset,hscale,vscale,scale,width,totalwidth,%
1229     height,totalheight,total,textwidth,textheight,text,body,lines,%
1230     includehead,includefoot,includeheadfoot,includemp,includeall,%
1231     ignorehead,ignorefoot,ignoreheadfoot,ignoremp,ignoreall,%
1232     heightrounded,hdivide,vdivide,divide,left,lmargin,inner,right,%
1233     rmargin,outer,top,tmargin,bottom,bmargin,hmargin,vmargin,margin,%
1234     hmarginratio,vmarginratio,marginratio,ratio,hcentering,vcentering,%
1235     centering,twoside,asymmetric,headheight,head,headsep,footskip,%
1236     foot,nohead,nofoot,noheadfoot,footnotesep,marginparwidth,%
1237     marginparsep,nomarginpar,columnsep,hoffset,voffset,offset,%
1238     twocolumn,onecolumn,reversemp,reversemarginpar,verbose,reset,mag,%
1239     truedimen,pass,showframe,showcrop,%
1240 },%
1241 % Keywords of class 4 : values of keys (in key=value)
1242 morekeywords=[4]{%

```



```

1243     a0paper , a1paper , a2paper , a3paper , a4paper , a5paper , a6paper , b0paper , %
1244     b1paper , b2paper , b3paper , b4paper , b5paper , b6paper , c0paper , c1paper , %
1245     c2paper , c3paper , c4paper , c5paper , c6paper , b0j , b1j , b2j , b3j , b4j , %
1246     b5j , b6j , ansiapaper , ansibpaper , ansicpaper , ansidpaper , ansiepaper , %
1247     letterpaper , executivepaper , legalpaper , screen , dvips , dvipdfm , pdftex , %
1248     luatex , xetex , vtex , dvipdfmx , xdvipdfmx , %
1249     } , %
1250     % Keywords of class 5 : arguments specifications (after ":" in expl3
1251     % syntax)
1252     morekeywords=[5]{%
1253     } , %
1254     % Keywords of class 6 : current package name (and possibly derived
1255     % packages)
1256     morekeywords=[6]{%
1257     geometry , %
1258     } , %
1259     % otherkeywords={}, %
1260     alsoletter={0123456} , %
1261     % alsodigit={}, %
1262     % alsoother={}, %
1263     sensitive , %
1264 } [keywords , tex , comments] %
1265
1266 \lst@definlanguage[newpax]{TeX}{%
1267     % Control sequences names
1268     moretexcs={%
1269     newpaxsetup , %
1270     } , %
1271     % Keywords of class 1 : keywords that contain other characters (since
1272     % of the same class as the ones specified as 'otherkeywords')
1273     morekeywords={%
1274     } , %
1275     % Keywords of class 2 : environments names
1276     morekeywords=[2]{%
1277     } , %
1278     % Keywords of class 3 : mandatory arguments (not environments) &
1279     % optional arguments which are keys (in key=value)
1280     morekeywords=[3]{%
1281     addannots , %
1282     } , %
1283     % Keywords of class 4 : values of keys (in key=value)
1284     morekeywords=[4]{%
1285     false , %
1286     } , %
1287     % Keywords of class 5 : arguments specifications (after ":" in expl3
1288     % syntax)
1289     morekeywords=[5]{%
1290     } , %
1291     % Keywords of class 6 : current package name (and possibly derived
1292     % packages)
1293     morekeywords=[6]{%
1294     newpax , %

```



```
1295     },%
1296     % otherkeywords={},
1297     % alsoletter={},
1298     % alsodigit={},%
1299     % alsoother={},%
1300     sensitive,%
1301 }[keywords, tex, comments]%
1302
1303 \lst@definlanguage[tikz]{TeX}{%
1304     % Control sequences names
1305     moretexcs={%
1306         usetikzlibrary, draw, node, matrix, fill, foreach, tikz,%
1307     },%
1308     % Keywords of class 1 : keywords that contain other characters (since
1309     % of the same class as the ones specified as 'otherkeywords')
1310     morekeywords={%
1311     },%
1312     % Keywords of class 2 : environments names
1313     morekeywords=[2]{%
1314         tikzpicture,%
1315     },%
1316     % Keywords of class 3 : mandatory arguments (not environments) &
1317     % optional arguments which are keys (in key=value)
1318     morekeywords=[3]{%
1319         pic, rotate, xshift, yshift, every node, inner sep, blend mode, fill,%
1320         fit, circle, anchor, in, count, x, y, matrix, of, math, nodes, above
1321         right, at, --, -, |, |-,%
1322     },%
1323     % Keywords of class 4 : values of keys (in key=value)
1324     morekeywords=[4]{%
1325         multiply, lightgray, base,%
1326     },%
1327     % Keywords of class 5 : arguments specifications (after ":" in expl3
1328     % syntax)
1329     morekeywords=[5]{%
1330     },%
1331     % Keywords of class 6 : current package name (and possibly derived
1332     % packages)
1333     morekeywords=[6]{%
1334         tikz,%
1335     },%
1336     % otherkeywords={},%
1337     alsoletter={-| \ },%
1338     % alsodigit={},%
1339     % alsoother={},%
1340     sensitive,%
1341 }[keywords, tex, comments]%
1342
1343 \lst@definlanguage[tikzducks]{TeX}{%
1344     % Control sequences names
1345     moretexcs={%
1346         duck,%
```

```

1347     },%
1348     % Keywords of class 1 : keywords that contain other characters (since
1349     % of the same class as the ones specified as 'otherkeywords')
1350     morekeywords={%
1351     },%
1352     % Keywords of class 2 : environments names
1353     morekeywords=[2]{%
1354     },%
1355     % Keywords of class 3 : mandatory arguments (not environments) &
1356     % optional arguments which are keys (in key=value)
1357     morekeywords=[3]{%
1358         alien,aodai,baguette,basket,beard,beret,bill,body,book,%
1359         bookcolour,bowtie,bubblecolour,bunny,buttons,cake,cap,cape,%
1360         cheese,chef,cocktail,conicalhat,crazyhair,cricket,crown,crozier,%
1361         crystalball,darthvader,devil,easter,egga,egg,eggc,eye,eyebrow,%
1362         flavoura,flavourb,flavourc,football,glasses,graduate,grumpy,%
1363         handbag,harlequin,hat,head,helmet,hockey,horsetail,icecream,%
1364         inear,invisible,jacket,kingcrown,lapel,laughing,lightsaber,%
1365         longhair,magichat,magicstars,magicwand,mask,milkshake,mohican,%
1366         mullet,name,neckerchief,necklace,niuquelrah,overleaf,parrot,%
1367         parting,peakedcap,pickaxe,pizza,prison,queencrown,recedinghair,%
1368         ribbon,rollingpin,sailor,santa,sheep,shorthair,shovel,signback,%
1369         signcolour,signpost,snowduck,speech,squareglasses,stethoscope,%
1370         strawhat,sunglasses,tail,tassel,think,tie,tophat,torch,tshirt,%
1371         umbrella,umbrellaclosed,unicorn,vampire,viking,water,wine,wing,%
1372         witch,woggle,%
1373     },%
1374     % Keywords of class 4 : values of keys (in key=value)
1375     morekeywords=[4]{%
1376         blue,green,red,yellow,%
1377     },%
1378     % Keywords of class 5 : arguments specifications (after ":" in expl3
1379     % syntax)
1380     morekeywords=[5]{%
1381     },%
1382     % Keywords of class 6 : current package name (and possibly derived
1383     % packages)
1384     morekeywords=[6]{%
1385         tikzducks,%
1386     },%
1387     % otherkeywords={},
1388     % alsoletter={},
1389     % alsodigit={},%
1390     % alsoother={},%
1391     sensitive,%
1392 }[keywords, tex, comments]%
1393
1394 \lst@definlanguage[tikzlings]{TeX}{%
1395     % Control sequences names
1396     moretexcs={%
1397         anteater,bear,bee,cat,chicken,coati,elephant,hippo,koala,%
1398         marmot,mole,mouse,owl,panda,penguin,pig,rhino,sheep,sloth,%

```

```

1399     squirrel,snowman,%
1400 },%
1401 % Keywords of class 1 : keywords that contain other characters (since
1402 % of the same class as the ones specified as 'otherkeywords')
1403 morekeywords={%
1404 },%
1405 % Keywords of class 2 : environments names
1406 morekeywords=[2]{%
1407 },%
1408 % Keywords of class 3 : mandatory arguments (not environments) &
1409 % optional arguments which are keys (in key=value)
1410 morekeywords=[3]{%
1411     3D,eye,contour,back,globalwarming,whiskers,schroedinger,%
1412 },%
1413 % Keywords of class 4 : values of keys (in key=value)
1414 morekeywords=[4]{%
1415 },%
1416 % Keywords of class 5 : arguments specifications (after ":" in expl3
1417 % syntax)
1418 morekeywords=[5]{%
1419 },%
1420 % Keywords of class 6 : current package name (and possibly derived
1421 % packages)
1422 morekeywords=[6]{%
1423     tikzlings,%
1424 },%
1425 % otherkeywords={},%
1426 alsoletter={3},%
1427 % alsodigit={},%
1428 % alsoother={},%
1429 sensitive,%
1430 }[keywords, tex, comments]%
1431
1432 \lst@definlanguage[amsmath]{TeX}{%
1433 % Control sequences names
1434 moretexcs={%
1435     cdots,ddots,vdots,%
1436 },%
1437 % Keywords of class 1 : keywords that contain other characters (since
1438 % of the same class as the ones specified as 'otherkeywords')
1439 morekeywords={%
1440 },%
1441 % Keywords of class 2 : environments names
1442 morekeywords=[2]{%
1443     pmatrix,%
1444 },%
1445 % Keywords of class 3 : mandatory arguments (not environments) &
1446 % optional arguments which are keys (in key=value)
1447 morekeywords=[3]{%
1448 },%
1449 % Keywords of class 4 : values of keys (in key=value)
1450 morekeywords=[4]{%

```

```

1451     },%
1452     % Keywords of class 5 : arguments specifications (after ":" in expl3
1453     % syntax)
1454     morekeywords=[5]{%
1455     },%
1456     % Keywords of class 6 : current package name (and possibly derived
1457     % packages)
1458     morekeywords=[6]{%
1459         amsmath,%
1460     },%
1461     % otherkeywords={},
1462     % alsoletter={},
1463     % alsodigit={},%
1464     % alsoother={},%
1465     sensitive,%
1466 }[keywords, tex, comments]%
1467
1468 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1469 % xparse
1470 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1471 \lst@definlanguage[xparse]{TeX}{%
1472     % Control sequences names
1473     moretexcs={%
1474         NewDocumentCommand, RenewDocumentCommand, ProvideDocumentCommand,%
1475         DeclareDocumentCommand, NewDocumentEnvironment,%
1476         RenewDocumentEnvironment, ProvideDocumentEnvironment,%
1477         DeclareDocumentEnvironment, NewExpandableDocumentCommand,%
1478         RenewExpandableDocumentCommand, ProvideExpandableDocumentCommand,%
1479         DeclareExpandableDocumentCommand, IfNoValueT, IfNoValueF, IfNoValueTF,%
1480         %
1481         IfValueT, IfValueF, IfValueTF, IfBooleanT, IfBooleanF, IfBooleanTF,%
1482         BooleanTrue, BooleanFalse, ProcessedArgument, ReverseBoolean,%
1483         SplitArgument, SplitList, ProcessList, TrimSpaces,%
1484         GetDocumentCommandArgSpec, GetDocumentEnvironmentArgSpec,%
1485         ShowDocumentCommandArgSpec, ShowDocumentEnvironmentArgSpec,%
1486     },%
1487     % Keywords of class 1 : keywords that contain other characters (since
1488     % of the same class as the ones specified as 'otherkeywords')
1489     morekeywords={%
1490     },%
1491     % Keywords of class 2 : environments names
1492     morekeywords=[2]{%
1493     },%
1494     % Keywords of class 3 : mandatory arguments (not environments) &
1495     % optional arguments which are keys (in key=value)
1496     morekeywords=[3]{%
1497         log-declarations,%
1498     },%
1499     % Keywords of class 4 : values of keys (in key=value)
1500     morekeywords=[4]{%
1501     },%
1502     % Keywords of class 5 : arguments specifications (after ":" in expl3

```

```

1502     % syntax)
1503     morekeywords=[5]{%
1504     },%
1505     % Keywords of class 6 : current package name (and possibly derived
1506     % packages)
1507     morekeywords=[6]{%
1508     xparse,%
1509     },%
1510     % otherkeywords={},%
1511     alsoletter={-},%
1512     % alsodigit={},%
1513     % alsoother={},%
1514     sensitive,%
1515 }[keywords, tex, comments]%
1516
1517 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1518 % colortbl
1519 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1520 \lst@definlanguage[colortbl]{TeX}{%
1521     % Control sequences names
1522     moretexcs=%
1523     columncolor, rowcolor, cellcolor, arrayrulecolor, doublerulesepcolor,%
1524     minrowclearance,%
1525     },%
1526     % Keywords of class 1 : keywords that contain other characters (since
1527     % of the same class as the ones specified as 'otherkeywords')
1528     morekeywords=%
1529     },%
1530     % Keywords of class 2 : environments names
1531     morekeywords=[2]{%
1532     },%
1533     % Keywords of class 3 : mandatory arguments (not environments) &
1534     % optional arguments which are keys (in key=value)
1535     morekeywords=[3]{%
1536     },%
1537     % Keywords of class 4 : values of keys (in key=value)
1538     morekeywords=[4]{%
1539     },%
1540     % Keywords of class 5 : arguments specifications (after ":" in expl3
1541     % syntax)
1542     morekeywords=[5]{%
1543     },%
1544     % Keywords of class 6 : current package name (and possibly derived
1545     % packages)
1546     morekeywords=[6]{%
1547     colortbl,%
1548     },%
1549     % otherkeywords={},
1550     % alsoletter={},
1551     % alsodigit={},%
1552     % alsoother={},%
1553     sensitive,%

```

```

1554 }[keywords,tex,comments]%
1555
1556 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1557 % multirow
1558 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1559 \lst@definlanguage[multirow]{TeX}%
1560 {%
1561   % Control sequences names
1562   moretexcs={%
1563     multirow,%
1564   },%
1565   % Keywords of class 1 : keywords that contain other characters (since
1566   % of the same class as the ones specified as 'otherkeywords')
1567   morekeywords={%
1568   },%
1569   % Keywords of class 2 : environments names
1570   morekeywords=[2]{%
1571   },%
1572   % Keywords of class 3 : mandatory arguments (not environments) &
1573   % optional arguments which are keys (in key=value)
1574   morekeywords=[3]{%
1575   },%
1576   % Keywords of class 4 : values of keys (in key=value)
1577   morekeywords=[4]{%
1578   },%
1579   % Keywords of class 5 : arguments specifications (after ":" in expl3
1580   % syntax)
1581   morekeywords=[5]{%
1582   },%
1583   % Keywords of class 6 : current package name (and possibly derived
1584   % packages)
1585   morekeywords=[6]{%
1586     multirow,%
1587   },%
1588   % otherkeywords={},
1589   % alsoletter={},
1590   % alsodigit={},%
1591   % alsoother={},%
1592   sensitive,%
1593 }[keywords,tex,comments]%
1594
1595 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1596 % nicematrix
1597 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1598 \lst@definlanguage[nicematrix]{TeX}%
1599 {%
1600   % Control sequences names
1601   moretexcs={%
1602     Cdots,Ddots,Vdots,Body,CodeBefore,CodeAfter,Block,%
1603   },%
1604   % Keywords of class 1 : keywords that contain other characters (since
1605   % of the same class as the ones specified as 'otherkeywords')

```

```

1606     morekeywords={%
1607     },%
1608     % Keywords of class 2 : environments names
1609     morekeywords=[2]{%
1610         pNiceMatrix,NiceMatrix,NiceTabular,bNiceArray,%
1611     },%
1612     % Keywords of class 3 : mandatory arguments (not environments) &
1613     % optional arguments which are keys (in key=value)
1614     morekeywords=[3]{%
1615         hvlines,rules/width,baseline,colortbl-like,margin,right-margin,%
1616         create-cell-nodes,rounded-corners,draw,%
1617     },%
1618     % Keywords of class 4 : values of keys (in key=value)
1619     morekeywords=[4]{%
1620     },%
1621     % Keywords of class 5 : arguments specifications (after ":" in expl3
1622     % syntax)
1623     morekeywords=[5]{%
1624     },%
1625     % Keywords of class 6 : current package name (and possibly derived
1626     % packages)
1627     morekeywords=[6]{%
1628         nicematrix,%
1629     },
1630     otherkeywords={&},%
1631     alsoletter={/},%
1632     % alsodigit={},%
1633     % alsoother={},%
1634     sensitive,%
1635 }[keywords,tex,comments]%
1636
1637 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1638 % booktabs
1639 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1640 \lst@definlanguage[booktabs]{TeX}%
1641 {%
1642     % Control sequences names
1643     moretexcs={%
1644         toprule,midrule,bottomrule,cmidrule,addlinespace,morecmidrules,%
1645         specialrule,%
1646     },%
1647     % Keywords of class 1 : keywords that contain other characters (since
1648     % of the same class as the ones specified as 'otherkeywords')
1649     morekeywords={%
1650     },%
1651     % Keywords of class 2 : environments names
1652     morekeywords=[2]{%
1653     },%
1654     % Keywords of class 3 : mandatory arguments (not environments) &
1655     % optional arguments which are keys (in key=value)
1656     morekeywords=[3]{%
1657     },%

```

```

1658 % Keywords of class 4 : values of keys (in key=value)
1659 morekeywords=[4]{%
1660 },%
1661 % Keywords of class 5 : arguments specifications (after ":" in expl3
1662 % syntax)
1663 morekeywords=[5]{%
1664 },%
1665 % Keywords of class 6 : current package name (and possibly derived
1666 % packages)
1667 morekeywords=[6]{%
1668     booktabs,%
1669 },%
1670 % otherkeywords={},
1671 % alsoletter={},
1672 % alsodigit={},%
1673 % alsoother={},%
1674 sensitive,%
1675 }[keywords, tex, comments]%
1676
1677 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1678 % strands
1679 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1680 \lst@definlanguage[strands]{TeX}%
1681 {%
1682     % Control sequences names
1683     moretexcs={%
1684         strands,%
1685     },%
1686     % Keywords of class 1 : keywords that contain other characters (since
1687     % of the same class as the ones specified as 'otherkeywords')
1688     morekeywords={%
1689     },%
1690     % Keywords of class 2 : environments names
1691     morekeywords=[2]{%
1692     },%
1693     % Keywords of class 3 : mandatory arguments (not environments) &
1694     % optional arguments which are keys (in key=value)
1695     morekeywords=[3]{%
1696     },%
1697     % Keywords of class 4 : values of keys (in key=value)
1698     morekeywords=[4]{%
1699     },%
1700     % Keywords of class 5 : arguments specifications (after ":" in expl3
1701     % syntax)
1702     morekeywords=[5]{%
1703     },%
1704     % Keywords of class 6 : current package name (and possibly derived
1705     % packages)
1706     morekeywords=[6]{%
1707         strands,%
1708     },%
1709     % otherkeywords={},

```



```

1710     % alsoletter={},
1711     % alsodigit={},%
1712     % alsoother={},%
1713     sensitive,%
1714 }[keywords, tex, comments]%
1715
1716 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1717 % cartonaugh
1718 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1719 \lst@definlanguage[cartonaugh]{TeX}%
1720 {%
1721     % Control sequences names
1722     moretexcs={%
1723         maxterms, minterms, terms, implicant,%
1724     },%
1725     % Keywords of class 1 : keywords that contain other characters (since
1726     % of the same class as the ones specified as 'otherkeywords')
1727     morekeywords={%
1728     },%
1729     % Keywords of class 2 : environments names
1730     morekeywords=[2]{%
1731         cartonaugh,%
1732     },%
1733     % Keywords of class 3 : mandatory arguments (not environments) &
1734     % optional arguments which are keys (in key=value)
1735     morekeywords=[3]{%
1736     },%
1737     % Keywords of class 4 : values of keys (in key=value)
1738     morekeywords=[4]{%
1739     },%
1740     % Keywords of class 5 : arguments specifications (after ":" in expl3
1741     % syntax)
1742     morekeywords=[5]{%
1743     },%
1744     % Keywords of class 6 : current package name (and possibly derived
1745     % packages)
1746     morekeywords=[6]{%
1747         cartonaugh,%
1748     },%
1749     % otherkeywords={},
1750     % alsoletter={},
1751     % alsodigit={},%
1752     % alsoother={},%
1753     sensitive,%
1754 }[keywords, tex, comments]%
1755
1756 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1757 % xistercian
1758 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1759 \lst@definlanguage[xistercian]{TeX}%
1760 {%
1761     % Control sequences names

```

```

1762     moretexcs={%
1763         cisterciannum,%
1764     },%
1765     % Keywords of class 1 : keywords that contain other characters (since
1766     % of the same class as the ones specified as 'otherkeywords')
1767     morekeywords={%
1768     },%
1769     % Keywords of class 2 : environments names
1770     morekeywords=[2]{%
1771         xistercian,%
1772     },%
1773     % Keywords of class 3 : mandatory arguments (not environments) &
1774     % optional arguments which are keys (in key=value)
1775     morekeywords=[3]{%
1776     },%
1777     % Keywords of class 4 : values of keys (in key=value)
1778     morekeywords=[4]{%
1779     },%
1780     % Keywords of class 5 : arguments specifications (after ":" in expl3
1781     % syntax)
1782     morekeywords=[5]{%
1783     },%
1784     % Keywords of class 6 : current package name (and possibly derived
1785     % packages)
1786     morekeywords=[6]{%
1787         xistercian,%
1788     },%
1789     % otherkeywords={},
1790     % alsoletter={},
1791     % alsodigit={},%
1792     % alsoother={},%
1793     sensitive,%
1794 }[keywords,tex,comments]%
1795
1796 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1797 % aboensis
1798 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1799 \lst@definlanguage[aboensis]{TeX}%
1800 {%
1801     % Control sequences names
1802     moretexcs={%
1803         abcursivefamily,%
1804     },%
1805     % Keywords of class 1 : keywords that contain other characters (since
1806     % of the same class as the ones specified as 'otherkeywords')
1807     morekeywords={%
1808     },%
1809     % Keywords of class 2 : environments names
1810     morekeywords=[2]{%
1811     },%
1812     % Keywords of class 3 : mandatory arguments (not environments) &
1813     % optional arguments which are keys (in key=value)

```

```

1814     morekeywords=[3]{%
1815     },%
1816     % Keywords of class 4 : values of keys (in key=value)
1817     morekeywords=[4]{%
1818     },%
1819     % Keywords of class 5 : arguments specifications (after ":" in expl3
1820     % syntax)
1821     morekeywords=[5]{%
1822     },%
1823     % Keywords of class 6 : current package name (and possibly derived
1824     % packages)
1825     morekeywords=[6]{%
1826         aboensis,%
1827     },%
1828     % otherkeywords={},
1829     % alsoletter={},
1830     % alsodigit={},%
1831     % alsoother={},%
1832     sensitive,%
1833 }[keywords, tex, comments]%
1834
1835 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1836 % tabularray
1837 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1838 \lst@definlanguage[tabularray]{TeX}%
1839 {%
1840     % Control sequences names
1841     moretexcs={%
1842         ,%
1843     },%
1844     % Keywords of class 1 : keywords that contain other characters (since
1845     % of the same class as the ones specified as 'otherkeywords')
1846     morekeywords={%
1847     },%
1848     % Keywords of class 2 : environments names
1849     morekeywords=[2]{%
1850         tblr,%
1851     },%
1852     % Keywords of class 3 : mandatory arguments (not environments) &
1853     % optional arguments which are keys (in key=value)
1854     morekeywords=[3]{%
1855         width, colspec, row, bg, fg, font, column, hlines, X,%
1856     },%
1857     % Keywords of class 4 : values of keys (in key=value)
1858     morekeywords=[4]{%
1859         odd,%
1860     },%
1861     % Keywords of class 5 : arguments specifications (after ":" in expl3
1862     % syntax)
1863     morekeywords=[5]{%
1864     },%
1865     % Keywords of class 6 : current package name (and possibly derived

```

```

1866     % packages)
1867     morekeywords=[6]{%
1868         tabularray,%
1869     },%
1870     % otherkeywords={},
1871     % alsoletter={},
1872     % alsodigit={},%
1873     % alsoother={},%
1874     sensitive,%
1875 }[keywords, tex, comments]%
1876
1877 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1878 % ninecolors
1879 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1880 \lst@definlanguage[ninecolors]{TeX}%
1881 {%
1882     % Control sequences names
1883     moretexcs={%
1884         NineColors,%
1885     },%
1886     % Keywords of class 1 : keywords that contain other characters (since
1887     % of the same class as the ones specified as 'otherkeywords')
1888     morekeywords={%
1889     },%
1890     % Keywords of class 2 : environments names
1891     morekeywords=[2]{%
1892     },%
1893     % Keywords of class 3 : mandatory arguments (not environments) &
1894     % optional arguments which are keys (in key=value)
1895     morekeywords=[3]{%
1896         gray1, red1, brown1, yellow1, olive1, green1, teal1, cyan1, azure1, %
1897         blue1, violet1, magenta1, purple1, gray2, red2, brown2, yellow2, olive2, %
1898         green2, teal2, cyan2, azure2, blue2, violet2, magenta2, purple2, gray3, %
1899         red3, brown3, yellow3, olive3, green3, teal3, cyan3, azure3, blue3, %
1900         violet3, magenta3, purple3, gray4, red4, brown4, yellow4, olive4, %
1901         green4, teal4, cyan4, azure4, blue4, violet4, magenta4, purple4, gray5, %
1902         red5, brown5, yellow5, olive5, green5, teal5, cyan5, azure5, blue5, %
1903         violet5, magenta5, purple5, gray6, red6, brown6, yellow6, olive6, %
1904         green6, teal6, cyan6, azure6, blue6, violet6, magenta6, purple6, gray7, %
1905         red7, brown7, yellow7, olive7, green7, teal7, cyan7, azure7, blue7, %
1906         violet7, magenta7, purple7, gray8, red8, brown8, yellow8, olive8, %
1907         green8, teal8, cyan8, azure8, blue8, violet8, magenta8, purple8, gray9, %
1908         red9, brown9, yellow9, olive9, green9, teal9, cyan9, azure9, blue9, %
1909         violet9, magenta9, purple9, gray1, red1, brown1, yellow1, olive1, %
1910         green1, teal1, cyan1, azure1, blue1, violet1, magenta1, purple1, gray2, %
1911         red2, brown2, yellow2, olive2, green2, teal2, cyan2, azure2, blue2, %
1912         violet2, magenta2, purple2, gray3, red3, brown3, yellow3, olive3, %
1913         green3, teal3, cyan3, azure3, blue3, violet3, magenta3, purple3, gray4, %
1914         red4, brown4, yellow4, olive4, green4, teal4, cyan4, azure4, blue4, %
1915         violet4, magenta4, purple4, gray5, red5, brown5, yellow5, olive5, %
1916         green5, teal5, cyan5, azure5, blue5, violet5, magenta5, purple5, gray6, %
1917         red6, brown6, yellow6, olive6, green6, teal6, cyan6, azure6, blue6, %

```

```

1918     violet6,magenta6,purple6,gray7,red7,brown7,yellow7,olive7,%
1919     green7,teal7,cyan7,azure7,blue7,violet7,magenta7,purple7,gray8,%
1920     red8,brown8,yellow8,olive8,green8,teal8,cyan8,azure8,blue8,%
1921     violet8,magenta8,purple8,gray9,red9,brown9,yellow9,olive9,%
1922     green9,teal9,cyan9,azure9,blue9,violet9,magenta9,purple9,%
1923     saturation,%
1924     },%
1925     % Keywords of class 4 : values of keys (in key=value)
1926     morekeywords=[4]{%
1927         low,medium,high,%
1928     },%
1929     % Keywords of class 5 : arguments specifications (after ":" in expl3
1930     % syntax)
1931     morekeywords=[5]{%
1932     },%
1933     % Keywords of class 6 : current package name (and possibly derived
1934     % packages)
1935     morekeywords=[6]{%
1936         ninecolors,%
1937     },%
1938     % otherkeywords={},%
1939     alsoletter={123456789},%
1940     % alsodigit={},%
1941     % alsoother={},%
1942     sensitive,%
1943     }[keywords,tex,comments]%
1944
1945     \lst@definlanguage[fontspec]{TeX}{%
1946     % Control sequences names
1947     moretexcs={%
1948         EncodingAccent,EncodingCommand,EncodingComposite,%
1949         EncodingCompositeCommand,EncodingSymbol,IfFontExistsTF,%
1950         IfFontFeatureActiveTF,UndeclareAccent,UndeclareCommand,%
1951         UndeclareComposite,UndeclareSymbol,addfontfeature,addfontfeatures,%
1952         aliasfontfeature,aliasfontfeatureoption,defaultfontfeatures,
1953         fontspec,%
1954         liningnums,newAATfeature,newfontface,newfontfamily,newfontfeature,%
1955         newfontlanguage,newfontscript,newopentypefeature,oldstylenums,%
1956         providefontface,providefontfamily,renewfontface,renewfontfamily,%
1957         setboldmathrm,setfontface,setfontfamily,setmainfont,setmathrm,%
1958         setmathsf,setmathtt,setmonofont,setromanfont,setsansfont,strong,%
1959         strongfontdeclare,strongresetsetmainfont,%
1960     },%
1961     % Keywords of class 1 : keywords that contain other characters (since
1962     % of the same class as the ones specified as 'otherkeywords')
1963     morekeywords={%
1964     },%
1965     % Keywords of class 2 : environments names
1966     morekeywords=[2]{%
1967     },%
1968     % Keywords of class 3 : mandatory arguments (not environments) &
1969     % optional arguments which are keys (in key=value)

```

```

1969     morekeywords=[3]{%
1970         Alternate, Annotation, AutoFakeBold, AutoFakeSlant, BoldFeatures, %
1971         BoldFont, BoldItalicFeatures, BoldItalicFont, BoldSlantedFeatures, %
1972         BoldSlantedFont, BoldSwashFeatures, BoldSwashFont, CJKShape, %
1973         CharacterVariant, CharacterWidth, Color, Colour, Contextuals, %
1974         Diacritics, Extension, FakeBold, FakeSlant, FakeStretch, Font, FontFace, %
1975         Fractions, HyphenChar, IgnoreFontspecFileItalicFeatures, ItalicFont, %
1976         Kerning, Language, LetterSpace, Letters, Ligatures, LocalForms, %
1977         NFSSFamily, Numbers, OpticalSize, Ornament, Path, PunctuationSpace, %
1978         RawFeature, Scale, ScaleAgain, Script, Size, SizeFeatures, %
1979         SlantedFeatures, SlantedFont, SmallCapsFeatures, SmallCapsFont, Style, %
1980         StylisticAlternates, StylisticSet, SwashFeatures, SwashFont, %
1981         UprightFeatures, UprightFont, Variant, Vertical, VerticalPosition, %
1982         WordSpace, Mapping, Renderer, Traditional, Simplified, JIS1978, JIS1983, %
1983         JIS1990, Expert, NLC, %
1984     },%
1985     % Keywords of class 4 : values of keys (in key=value)
1986     morekeywords=[4]{%
1987         AboveBase, Alternate, AlternateHalf, AlternateMetrics, %
1988         AlternateProportional, Alternates, AlternatesForRotation, Arabic, %
1989         ArabicOff, BelowBase, Common, Contextual, Cursive, Denominator, %
1990         Discretionary, Expert, Full, Half, HalfMetrics, Historic, %
1991         HorizontalKana, Inferior, Inner, Italic, JIS1978, JIS1983, JIS1990, %
1992         KanaAlternates, Kerning, LineFinal, Lining, LiningOff, Lowercase, %
1993         LowercaseOff, MarkToBase, MarkToMark, Monospaced, MonospacedOff, NLC, %
1994         Numerator, Off, OldStyle, OldStyleOff, On, Ordinal, PetiteCaps, %
1995         Proportional, ProportionalMetrics, ProportionalOff, Quarter, Rare, %
1996         Required, Reset, ResetAll, RotatedGlyphs, Ruby, ScientificInferior, %
1997         Simplified, SlashedZero, SlashedZeroOff, SmallCaps, Superior, Swash, %
1998         TeX, Thurd, Titling, Traditional, Unicase, Uppercase, UppercaseOff, %
1999         UppercasePetiteCaps, UppercaseSmallCaps, VerticalKana, WordFinal, %
2000         WordInitial, ResetAll, c2sc, scmp, sinf, sups, zero, ss06, ss01, %
2001         ss04, -liga, frac, titl, swsh, hist, hlig%
2002     },%
2003     % Keywords of class 5 : arguments specifications (after ":" in expl3
2004     % syntax)
2005     morekeywords=[5]{%
2006     },%
2007     % Keywords of class 6 : current package name (and possibly derived
2008     % packages)
2009     morekeywords=[6]{%
2010         fontspec%
2011     },%
2012     % otherkeywords={},%
2013     alsoletter={20614-},%
2014     % alsodigit={},%
2015     % alsoother={},%
2016     sensitive,%
2017 }[keywords, tex, comments]%
2018
2019 \lst@definlanguage[ProfCollege]{TeX}{%
2020     % Control sequences names

```

```

2021     moretexcs={%
2022         Thales,Pourcentage,ResolEquation%
2023     },%
2024     % Keywords of class 1 : keywords that contain other characters (since
2025     % of the same class as the ones specified as 'otherkeywords')
2026     morekeywords={%
2027     },%
2028     % Keywords of class 2 : environments names
2029     morekeywords=[2]{%
2030         Twitter,Scratch,%
2031     },%
2032     % Keywords of class 3 : mandatory arguments (not environments) &
2033     % optional arguments which are keys (in key=value)
2034     morekeywords=[3]{%
2035         Auteur,Logo,Calculer,%
2036     },%
2037     % Keywords of class 4 : values of keys (in key=value)
2038     morekeywords=[4]{%
2039         Place,Drapeau,Avancer,Repeter,Tournerg,FinBlocRepeter,%
2040     },%
2041     % Keywords of class 5 : arguments specifications (after ":" in expl3
2042     % syntax)
2043     morekeywords=[5]{%
2044     },%
2045     % Keywords of class 6 : current package name (and possibly derived
2046     % packages)
2047     morekeywords=[6]{%
2048         ProfCollege,%
2049     },%
2050     % otherkeywords={},
2051     % alsoletter={},
2052     % alsodigit={},%
2053     % alsoother={},%
2054     sensitive,%
2055 }[keywords, tex, comments]%
2056
2057 \lst@definlanguage[tkz-euclide]{TeX}{%
2058     % Control sequences names
2059     moretexcs={%
2060         tkzDefPoint,tkzInterCC,tkzGetPoints,tkzDrawCircles,tkzDrawPolygon,%
2061         tkzDrawPoints,tkzMarkSegments,tkzLabelSegments,tkzLabelPoints,%
2062         tkzLabelPoints,%
2063     },%
2064     % Keywords of class 1 : keywords that contain other characters (since
2065     % of the same class as the ones specified as 'otherkeywords')
2066     morekeywords={%
2067     },%
2068     % Keywords of class 2 : environments names
2069     morekeywords=[2]{%
2070         tikzpicture,%
2071     },%
2072     % Keywords of class 3 : mandatory arguments (not environments) &

```



```

2073 % optional arguments which are keys (in key=value)
2074 morekeywords=[3]{%
2075     mark, swap, above, scale, %
2076 }, %
2077 % Keywords of class 4 : values of keys (in key=value)
2078 morekeywords=[4]{%
2079 }, %
2080 % Keywords of class 5 : arguments specifications (after ":" in expl3
2081 % syntax)
2082 morekeywords=[5]{%
2083 }, %
2084 % Keywords of class 6 : current package name (and possibly derived
2085 % packages)
2086 morekeywords=[6]{%
2087     tkz-euclide }, %
2088 % otherkeywords={},
2089 % alsoletter={},
2090 % alsodigit={}, %
2091 % alsoother={}, %
2092 sensitive, %
2093 }[keywords, tex, comments]%
2094
2095 \lst@definlanguage[tkz-fct]{TeX}{%
2096 % Control sequences names
2097 moretexcs={%
2098     tkzInit, tkzDrawX, tkzDrawY, tkzFct, tkzDefPoint, tkzDrawPoint, %
2099     tkzPointShowCoord, tkzDefPoint, tkzDrawPoint, tkzPointShowCoord, %
2100     tkzRep, %
2101 }, %
2102 % Keywords of class 1 : keywords that contain other characters (since
2103 % of the same class as the ones specified as 'otherkeywords')
2104 morekeywords={%
2105 }, %
2106 % Keywords of class 2 : environments names
2107 morekeywords=[2]{%
2108     tikzpicture, %
2109 }, %
2110 % Keywords of class 3 : mandatory arguments (not environments) &
2111 % optional arguments which are keys (in key=value)
2112 morekeywords=[3]{%
2113     xmin, xmax, ymin, ymax, samples, domain, xlabel, ylabel, xscale, yscale%
2114 }, %
2115 % Keywords of class 4 : values of keys (in key=value)
2116 morekeywords=[4]{%
2117 }, %
2118 % Keywords of class 5 : arguments specifications (after ":" in expl3
2119 % syntax)
2120 morekeywords=[5]{%
2121 }, %
2122 % Keywords of class 6 : current package name (and possibly derived
2123 % packages)
2124 morekeywords=[6]{%

```



```

2125     tkz-fct },%
2126     % otherkeywords={},
2127     % alsoletter={},
2128     % alsodigit={},%
2129     % alsoother={},%
2130     sensitive,%
2131 }[keywords, tex, comments]%
2132
2133 \lst@definlanguage[tkz-tab]{TeX}{%
2134     % Control sequences names
2135     moretexcs={%
2136         tkzTabInit,tkzTabLine,tkzTabVar,%
2137     },%
2138     % Keywords of class 1 : keywords that contain other characters (since
2139     % of the same class as the ones specified as 'otherkeywords')
2140     morekeywords={%
2141     },%
2142     % Keywords of class 2 : environments names
2143     morekeywords=[2]{%
2144         tikzpicture,%
2145     },%
2146     % Keywords of class 3 : mandatory arguments (not environments) &
2147     % optional arguments which are keys (in key=value)
2148     morekeywords=[3]{%
2149         lgt,espcl,t,d,z,+,-,-D+/,+/, -/, +D/, scale,%
2150     },%
2151     % Keywords of class 4 : values of keys (in key=value)
2152     morekeywords=[4]{%
2153     },%
2154     % Keywords of class 5 : arguments specifications (after ":" in expl3
2155     % syntax)
2156     morekeywords=[5]{%
2157     },%
2158     % Keywords of class 6 : current package name (and possibly derived
2159     % packages)
2160     morekeywords=[6]{%
2161         tkz-tab },%
2162     % otherkeywords={},%
2163     alsoletter={+/-},%
2164     % alsodigit={},%
2165     % alsoother={},%
2166     sensitive,%
2167 }[keywords, tex, comments]%
2168
2169 \lst@definlanguage[mecaso]{TeX}{%
2170     % Control sequences names
2171     moretexcs={%
2172         KineticT,%
2173     },%
2174     % Keywords of class 1 : keywords that contain other characters (since
2175     % of the same class as the ones specified as 'otherkeywords')
2176     morekeywords={%

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2177     },%
2178     % Keywords of class 2 : environments names
2179     morekeywords=[2]{%
2180     },%
2181     % Keywords of class 3 : mandatory arguments (not environments) &
2182     % optional arguments which are keys (in key=value)
2183     morekeywords=[3]{%
2184     },%
2185     % Keywords of class 4 : values of keys (in key=value)
2186     morekeywords=[4]{%
2187     },%
2188     % Keywords of class 5 : arguments specifications (after ":" in expl3
2189     % syntax)
2190     morekeywords=[5]{%
2191     },%
2192     % Keywords of class 6 : current package name (and possibly derived
2193     % packages)
2194     morekeywords=[6]{%
2195         mecaso },%
2196     % otherkeywords={},
2197     % alsoletter={},
2198     % alsodigit={},%
2199     % alsoother={},%
2200     sensitive,%
2201 }[keywords,tex,comments]%
2202
2203 \lst@definlanguage[hanzibox]{TeX}{%
2204     % Control sequences names
2205     moretexcs={%
2206         hanzibox*,hanziboxset,%
2207     },%
2208     % Keywords of class 1 : keywords that contain other characters (since
2209     % of the same class as the ones specified as 'otherkeywords')
2210     morekeywords={%
2211     },%
2212     % Keywords of class 2 : environments names
2213     morekeywords=[2]{%
2214     },%
2215     % Keywords of class 3 : mandatory arguments (not environments) &
2216     % optional arguments which are keys (in key=value)
2217     morekeywords=[3]{%
2218         frametype,pinyinline,%
2219     },%
2220     % Keywords of class 4 : values of keys (in key=value)
2221     morekeywords=[4]{%
2222         none,true,%
2223     },%
2224     % Keywords of class 5 : arguments specifications (after ":" in expl3
2225     % syntax)
2226     morekeywords=[5]{%
2227     },%
2228     % Keywords of class 6 : current package name (and possibly derived

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```
2229     % packages)
2230     morekeywords=[6]{%
2231         hanzibox },%
2232     % otherkeywords={},%
2233     % alsoletter={},%
2234     % alsodigit={},%
2235     alsoother={*},%
2236     sensitive,%
2237 }[keywords, tex, comments]%
2238
2239 \lst@definlanguage[tikz-bagua]{TeX}{%
2240     % Control sequences names
2241     moretexcs={%
2242         Bagua*,%
2243     },%
2244     % Keywords of class 1 : keywords that contain other characters (since
2245     % of the same class as the ones specified as 'otherkeywords')
2246     morekeywords={%
2247     },%
2248     % Keywords of class 2 : environments names
2249     morekeywords=[2]{%
2250     },%
2251     % Keywords of class 3 : mandatory arguments (not environments) &
2252     % optional arguments which are keys (in key=value)
2253     morekeywords=[3]{%
2254     },%
2255     % Keywords of class 4 : values of keys (in key=value)
2256     morekeywords=[4]{%
2257     },%
2258     % Keywords of class 5 : arguments specifications (after ":" in expl3
2259     % syntax)
2260     morekeywords=[5]{%
2261     },%
2262     % Keywords of class 6 : current package name (and possibly derived
2263     % packages)
2264     morekeywords=[6]{%
2265         tikz-bagua },%
2266     % otherkeywords={},%
2267     % alsoletter={},%
2268     % alsodigit={},%
2269     alsoother={*},%
2270     sensitive,%
2271 }[keywords, tex, comments]%
2272
2273 \lst@definlanguage[bodeplot]{TeX}{%
2274     % Control sequences names
2275     moretexcs={%
2276         addBodeZPKPlots },%
2277     % Keywords of class 1 : keywords that contain other characters (since
2278     % of the same class as the ones specified as 'otherkeywords')
2279     morekeywords={%
2280     },%
```

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2281 % Keywords of class 2 : environments names
2282 morekeywords=[2]{%
2283   BodePlot,%
2284 },%
2285 % Keywords of class 3 : mandatory arguments (not environments) &
2286 % optional arguments which are keys (in key=value)
2287 morekeywords=[3]{%
2288   ylabel,ytick,distance,height,width,magnitude,z,p,k,%
2289 },%
2290 % Keywords of class 4 : values of keys (in key=value)
2291 morekeywords=[4]{%
2292   true,black,thick,linear,red,dashed,thick,asymptotic,blue,%
2293   dotted,thick,%
2294 },%
2295 % Keywords of class 5 : arguments specifications (after ":" in expl3
2296 % syntax)
2297 morekeywords=[5]{%
2298 },%
2299 % Keywords of class 6 : current package name (and possibly derived
2300 % packages)
2301 morekeywords=[6]{%
2302   bodeplot },%
2303 % otherkeywords={},%
2304 alsoletter={/},%
2305 % alsodigit={},%
2306 % alsoother={},%
2307 sensitive,%
2308 }[keywords, tex, comments]%
2309
2310 \lst@definlanguage[formal-grammar]{TeX}{%
2311 % Control sequences names
2312 moretexcs={%
2313   highlight,firstcase,gralt,nonterm },%
2314 % Keywords of class 1 : keywords that contain other characters (since
2315 % of the same class as the ones specified as 'otherkeywords')
2316 morekeywords={%
2317 },%
2318 % Keywords of class 2 : environments names
2319 morekeywords=[2]{%
2320   grammar },%
2321 % Keywords of class 3 : mandatory arguments (not environments) &
2322 % optional arguments which are keys (in key=value)
2323 morekeywords=[3]{%
2324 },%
2325 % Keywords of class 4 : values of keys (in key=value)
2326 morekeywords=[4]{%
2327 },%
2328 % Keywords of class 5 : arguments specifications (after ":" in expl3
2329 % syntax)
2330 morekeywords=[5]{%
2331 },%
2332 % Keywords of class 6 : current package name (and possibly derived

```

```
2333     % packages)
2334     morekeywords=[6]{%
2335         formal-grammar },%
2336     % otherkeywords={},
2337     % alsoletter={},
2338     % alsodigit={},%
2339     % alsoother={},%
2340     sensitive,%
2341 }[keywords,tex,comments]%
2342
2343 \lst@definlanguage[numerica-plus]{TeX}{%
2344     % Control sequences names
2345     moretexcs={%
2346         nmcRecur,%
2347     },%
2348     % Keywords of class 1 : keywords that contain other characters (since
2349     % of the same class as the ones specified as 'otherkeywords')
2350     morekeywords={%
2351     },%
2352     % Keywords of class 2 : environments names
2353     morekeywords=[2]{%
2354     },%
2355     % Keywords of class 3 : mandatory arguments (not environments) &
2356     % optional arguments which are keys (in key=value)
2357     morekeywords=[3]{%
2358         do,see1,f_,%
2359     },%
2360     % Keywords of class 4 : values of keys (in key=value)
2361     morekeywords=[4]{%
2362     },%
2363     % Keywords of class 5 : arguments specifications (after ":" in expl3
2364     % syntax)
2365     morekeywords=[5]{%
2366     },%
2367     % Keywords of class 6 : current package name (and possibly derived
2368     % packages)
2369     morekeywords=[6]{%
2370         numerica-plus },%
2371     % otherkeywords={},%
2372     alsoletter={_1},%
2373     % alsodigit={},%
2374     % alsoother={},%
2375     sensitive,%
2376 }[keywords,tex,comments]%
2377
2378 \lst@definlanguage[pascaltriangle]{TeX}{%
2379     % Control sequences names
2380     moretexcs={%
2381         pascal,%
2382     },%
2383     % Keywords of class 1 : keywords that contain other characters (since
2384     % of the same class as the ones specified as 'otherkeywords')
```

```

2385     morekeywords={%
2386     },%
2387     % Keywords of class 2 : environments names
2388     morekeywords=[2]{%
2389     },%
2390     % Keywords of class 3 : mandatory arguments (not environments) &
2391     % optional arguments which are keys (in key=value)
2392     morekeywords=[3]{%
2393     },%
2394     % Keywords of class 4 : values of keys (in key=value)
2395     morekeywords=[4]{%
2396     },%
2397     % Keywords of class 5 : arguments specifications (after ":" in expl3
2398     % syntax)
2399     morekeywords=[5]{%
2400     },%
2401     % Keywords of class 6 : current package name (and possibly derived
2402     % packages)
2403     morekeywords=[6]{%
2404     pascaltriangle },%
2405     % otherkeywords={},
2406     % alsoletter={},
2407     % alsodigit={},%
2408     % alsoother={},%
2409     sensitive,%
2410 }[keywords, tex, comments]%
2411
2412 \lst@definelanguage[pgf-interference]{TeX}{%
2413     % Control sequences names
2414     moretexcs={%
2415     pgfinterferencepattern,%
2416     },%
2417     % Keywords of class 1 : keywords that contain other characters
2418     % (since of the same class as the ones specified as 'otherkeywords')
2419     morekeywords={%
2420     },%
2421     % Keywords of class 2 : environments names
2422     morekeywords=[2]{%
2423     },%
2424     % Keywords of class 3 : mandatory arguments (not environments) &
2425     % optional arguments which are keys (in key=value)
2426     morekeywords=[3]{%
2427     slits,wavelength,slit-distance,intensity,ruler,scale,%
2428     },%
2429     % Keywords of class 4 : values of keys (in key=value)
2430     morekeywords=[4]{%
2431     },%
2432     % Keywords of class 5 : arguments specifications (after ":" in expl3
2433     % syntax)
2434     morekeywords=[5]{%
2435     },%
2436     % Keywords of class 6 : current package name (and possibly derived

```

```
2437     % packages)
2438     morekeywords=[6]{%
2439         pgf-interference%
2440     },%
2441     % otherkeywords={},%
2442     alsoletter={-},%
2443     % alsodigit={},%
2444     % alsoother={},%
2445     sensitive,%
2446 }[keywords,tex,comments]%
2447
2448 \lst@definlanguage[clistmap]{TeX}{%
2449     % Control sequences names
2450     moretexcs={%
2451         ExplSyntaxOn,ExplSyntaxOff,clistmap,%
2452     },%
2453     % Keywords of class 1 : keywords that contain other characters (since
2454     % of the same class as the ones specified as 'otherkeywords')
2455     morekeywords={%
2456     },%
2457     % Keywords of class 2 : environments names
2458     morekeywords=[2]{%
2459     },%
2460     % Keywords of class 3 : mandatory arguments (not environments) &
2461     % optional arguments which are keys (in key=value)
2462     morekeywords=[3]{%
2463         first_math,serial_rest_math_and,%
2464     },%
2465     % Keywords of class 4 : values of keys (in key=value)
2466     morekeywords=[4]{%
2467     },%
2468     % Keywords of class 5 : arguments specifications (after ":" in expl3
2469     % syntax)
2470     morekeywords=[5]{%
2471         nnn,N,%
2472     },%
2473     % Keywords of class 6 : current package name (and possibly derived
2474     % packages)
2475     morekeywords=[6]{%
2476         clistmap },%
2477     % otherkeywords={},%
2478     alsoletter={_},%
2479     % alsodigit={},%
2480     % alsoother={},%
2481     sensitive,%
2482 }[keywords,tex,comments]%
2483
2484 \lst@definlanguage[hexboard]{TeX}{%
2485     % Control sequences names
2486     moretexcs={%
2487         hexmove,%
2488     },%
```

```

2489 % Keywords of class 1 : keywords that contain other characters (since
2490 % of the same class as the ones specified as 'otherkeywords')
2491 morekeywords={%
2492 },%
2493 % Keywords of class 2 : environments names
2494 morekeywords=[2]{%
2495   hexgamelabels,%
2496 },%
2497 % Keywords of class 3 : mandatory arguments (not environments) &
2498 % optional arguments which are keys (in key=value)
2499 morekeywords=[3]{%
2500 },%
2501 % Keywords of class 4 : values of keys (in key=value)
2502 morekeywords=[4]{%
2503 },%
2504 % Keywords of class 5 : arguments specifications (after ":" in expl3
2505 % syntax)
2506 morekeywords=[5]{%
2507 },%
2508 % Keywords of class 6 : current package name (and possibly derived
2509 % packages)
2510 morekeywords=[6]{%
2511   hexboard },%
2512 % otherkeywords={},
2513 % alsoletter={},
2514 % alsodigit={},%
2515 % alsoother={},%
2516 sensitive,%
2517 }[keywords, tex, comments]%
2518
2519 \lst@definlanguage[robotarm]{TeX}{%
2520 % Control sequences names
2521 moretexcs={%
2522   robotArm,%
2523 },%
2524 % Keywords of class 1 : keywords that contain other characters (since
2525 % of the same class as the ones specified as 'otherkeywords')
2526 morekeywords={%
2527 },%
2528 % Keywords of class 2 : environments names
2529 morekeywords=[2]{%
2530   tikzpicture },%
2531 % Keywords of class 3 : mandatory arguments (not environments) &
2532 % optional arguments which are keys (in key=value)
2533 morekeywords=[3]{%
2534   config,q1,q2,q3,%
2535 },%
2536 % Keywords of class 4 : values of keys (in key=value)
2537 morekeywords=[4]{%
2538 },%
2539 % Keywords of class 5 : arguments specifications (after ":" in expl3
2540 % syntax)

```



```
2541     morekeywords=[5]{%
2542     },%
2543     % Keywords of class 6 : current package name (and possibly derived
2544     % packages)
2545     morekeywords=[6]{%
2546     robotarm },%
2547     % otherkeywords={},%
2548     alsoletter={123},%
2549     % alsodigit={},%
2550     % alsoother={},%
2551     sensitive,%
2552 }[keywords, tex, comments]%
2553
2554 \lst@definlanguage[amsfonts]{TeX}{%
2555     % Control sequences names
2556     moretexcs={%
2557     mathbb, mathfrak, angle, Box, dasharrow, dashleftarrow, dashrightarrow, %
2558     Diamond, hbar, Join, leadsto, lhd, llcorner, lozenge, lrcorner, mho, %
2559     rhd, rightleftharpoons, rightsquigarrow, sqsubset, sqsupset, square, %
2560     trianglelefteq, trianglerighteq, ulcorner, unlhd, unrhd, urcorner, %
2561     vartriangleleft, vartriangleright, widehat{arg}, widetilde{arg}, yen, %
2562     checkmark, circledR, maltese, %
2563     },%
2564     % Keywords of class 1 : keywords that contain other characters (since
2565     % of the same class as the ones specified as 'otherkeywords')
2566     morekeywords={%
2567     },%
2568     % Keywords of class 2 : environments names
2569     morekeywords=[2]{%
2570     },%
2571     % Keywords of class 3 : mandatory arguments (not environments) &
2572     % optional arguments which are keys (in key=value)
2573     morekeywords=[3]{%
2574     },%
2575     % Keywords of class 4 : values of keys (in key=value)
2576     morekeywords=[4]{%
2577     },%
2578     % Keywords of class 5 : arguments specifications (after ":" in expl3
2579     % syntax)
2580     morekeywords=[5]{%
2581     },%
2582     % Keywords of class 6 : current package name (and possibly derived
2583     % packages)
2584     morekeywords=[6]{%
2585     amsfonts },%
2586     % otherkeywords={},
2587     % alsoletter={},
2588     % alsodigit={},%
2589     % alsoother={},%
2590     sensitive,%
2591 }[keywords, tex, comments]%
2592
```

```

2593 \lst@definlanguage[biolinum]{TeX}{%
2594   % Control sequences names
2595   moretexcs={%
2596     biolinum,biolinum0sF,biolinumLF,biolinumkey,sufigures,textsu,%
2597     textsuperior,oldstylenums,liningnums,oldstylenumsf,liningnumsf,%
2598     tabularnums,proportionalnums,tabularnumsf,proportionalnumsf,%
2599     DeclareTextGlyphY,biolinumGlyph,biolinumKeyGlyph,LKey,LKeyPad,%
2600     LKeyF,LKeyAltF,LKeyStrgAltF,LKeyCtrlAltF,LKeyStrgX,LKeyCtrlX,%
2601     LKeyShiftX,LKeyAltX,LKeyAltGrX,LKeyShiftStrgX,LKeyShiftCtrlX,%
2602     LKeyShiftAltX,LKeyShiftAltGrX,LKeyStrgAltX,LKeyCtrlAltX,%
2603     LKeyStrgAltEnt,LKeyCtrlAltEnt,LKeyReset,LKeyTux,LKeyWin,LKeyMenu,%
2604     LKeyStrg,LKeyCtrl,LKeyAlt,LKeyAltGr,LKeyShift,LKeyTab,LKeyEnter,%
2605     LKeyCapsLock,LKeyPos,LKeyEntf,LKeyEinf,LKeyLeer,LKeyEsc,LKeyEnde,%
2606     LKeyCommand,LKeyOptionKey,LKeyBack,LKeyUp,LKeyDown,LKeyLeft,%
2607     LKeyRight,LKeyPgUp,LKeyPgDown,LKeyAt,LKeyFn,LKeyHome,LKeyDel,%
2608     LKeySpace,LKeyScreenUp,LKeyScreenDown,LKeyIns,LKeyEnd,LKeyGNU,%
2609     LKeyPageUp,LKeyPageDown,LMouseEmpty,LMouseN,LMouseL,LMouseM,%
2610     LMouseR,LMouseLR,LMouseIIEmpty,LMouseIIN,LMouseIIL,LMouseIIR,%
2611     LMouseIILR,%
2612   },%
2613   % Keywords of class 1 : keywords that contain other characters (since
2614   % of the same class as the ones specified as 'otherkeywords')
2615   morekeywords={%
2616   },%
2617   % Keywords of class 2 : environments names
2618   morekeywords=[2]{%
2619   },%
2620   % Keywords of class 3 : mandatory arguments (not environments) &
2621   % optional arguments which are keys (in key=value)
2622   morekeywords=[3]{%
2623     sfdefault,type1,nofontspec,lining,nf,lf,oldstyle,osf,sflining,%
2624     sflf,sfoldstyle,sfosf,osfss,tabular,t,p,sftabular,sft,%
2625     sfproportional,sfp,scaled,scale,defaultfeatures,space,uni0020,%
2626     exclam,uni0021,quotedbl,uni0022,numbersign,uni0023,dollar,%
2627     uni0024,percent,uni0025,ampersand,uni0026,quotesingle,uni0027,%
2628     parenleft,uni0028,parenright,uni0029,asterisk,uni002A,plus,%
2629     uni002B,comma,uni002C,hyphen,uni002D,period,uni002E,slash,%
2630     uni002F,zero,uni0030,one,uni0031,two,uni0032,three,uni0033,%
2631     four,uni0034,five,uni0035,six,uni0036,seven,uni0037,eight,%
2632     uni0038,nine,uni0039,colon,uni003A,semicolon,uni003B,less,%
2633     uni003C,equal,uni003D,greater,uni003E,question,uni003F,at,%
2634     bracketleft,uni005B,backslash,uni005C,bracketright,uni005D,%
2635     asciicircum,uni005E,underscore,uni005F,grave,uni0060,uni007A,%
2636     braceleft,uni007B,bar,uni007C,braceright,uni007D,asciitilde,%
2637     uni007E,exclamdown,uni00A1,cent,uni00A2,sterling,uni00A3,%
2638     currency,uni00A4,yen,uni00A5,brokenbar,uni00A6,section,uni00A7,%
2639     dieresis,uni00A8,guillemotleft,uni00AB,uni00AD,degree,uni00B0,%
2640     plusminus,uni00B1,acute,uni00B4,uni00B5,periodcentered,uni00B7,%
2641     cedilla,uni00B8,guillemotright,uni00BB,Agrave,uni00C0,Aacute,%
2642     uni00C1,Acircumflex,uni00C2,Atilde,uni00C3,Adieresis,uni00C4,%
2643     Aring,uni00C5,Ccedilla,uni00C7,Egrave,uni00C8,Eacute,uni00C9,%
2644     Ecircumflex,uni00CA,Edieresis,uni00CB,Igrave,uni00CC,Iacute,%

```

2645 uni00CD, Icircumflex, uni00CE, Idieresis, uni00CF, Eth, uni00D0, Ntilde, %
2646 uni00D1, Ograve, uni00D2, Oacute, uni00D3, Ocircumflex, uni00D4, Otilde, %
2647 uni00D5, Odieresis, uni00D6, multiply, uni00D7, Oslash, uni00D8, Ugrave, %
2648 uni00D9, Uacute, uni00DA, Ucircumflex, uni00DB, Udieresis, uni00DC, %
2649 Yacute, uni00DD, Thorn, uni00DE, germandbls, uni00DF, agrave, uni00E0, %
2650 aacute, uni00E1, acircumflex, uni00E2, atilde, uni00E3, adieresis, %
2651 uni00E4, aring, uni00E5, ae, uni00E6, ccedilla, uni00E7, egrave, %
2652 uni00E8, eacute, uni00E9, ecircumflex, uni00EA, edieresis, uni00EB, %
2653 igrave, uni00EC, iacute, uni00ED, icircumflex, uni00EE, idieresis, %
2654 uni00EF, eth, uni00F0, ntilde, uni00F1, ograve, uni00F2, oacute, %
2655 uni00F3, ocircumflex, uni00F4, otilde, uni00F5, odieresis, uni00F6, %
2656 divide, uni00F7, oslash, uni00F8, ugrave, uni00F9, uacute, uni00FA, %
2657 ucircumflex, uni00FB, udieresis, uni00FC, yacute, uni00FD, thorn, %
2658 uni00FE, ydieresis, uni00FF, Acaron, uni0100, amacron, uni0101, Abreve, %
2659 uni0102, abreve, uni0103, Aogonek, uni0104, aogonek, uni0105, Cacute, %
2660 uni0106, cacute, uni0107, Ccircumflex, uni0108, ccircumflex, uni0109, %
2661 Cdotaccent, uni010A, cdotaccent, uni010B, Ccaron, uni010C, ccaron, %
2662 uni010D, Dcaron, uni010E, dcaron, uni010F, Dcroat, uni0110, dcroat, %
2663 uni0111, Emacron, uni0112, emacron, uni0113, Ebreve, uni0114, ebreve, %
2664 uni0115, Edotaccent, uni0116, edotaccent, uni0117, Eogonek, uni0118, %
2665 eogonek, uni0119, Ecaron, uni011A, ecaron, uni011B, Gcircumflex, %
2666 uni011C, gcircumflex, uni011D, Gbreve, uni011E, gbreve, uni011F, %
2667 Gdotaccent, uni0120, gdotaccent, uni0121, Gcommaaccent, uni0122, %
2668 gcommaaccent, uni0123, Hcircumflex, uni0124, hcircumflex, uni0125, Hbar, %
2669 uni0126, hbar, uni0127, Itilde, uni0128, itilde, uni0129, Imacron, %
2670 uni012A, imacron, uni012B, Ibreve, uni012C, ibreve, uni012D, Iogonek, %
2671 uni012E, iogonek, uni012F, Idotaccent, uni0130, dotlessi, uni0131, IJ, %
2672 uni0132, ij, uni0133, Jcircumflex, uni0134, jcircumflex, uni0135, %
2673 Kcommaaccent, uni0136, kcommaaccent, uni0137, kgreenlandic, uni0138, %
2674 Lacute, uni0139, lacute, uni013A, Lcommaaccent, uni013B, lcommaaccent, %
2675 uni013C, Lcaron, uni013D, lcaron, uni013E, Ldot, uni013F, ldot, uni0140, %
2676 Lslash, uni0141, lslash, uni0142, Nacute, uni0143, nacute, uni0144, %
2677 Ncommaaccent, uni0145, ncommaaccent, uni0146, Ncaron, uni0147, ncaron, %
2678 uni0148, napostrophe, uni0149, Omacron, uni014C, omacron, uni014D, %
2679 Obreve, uni014E, obreve, uni014F, Ohungarumlaut, uni0150, ohungarumlaut, %
2680 uni0151, Racute, uni0154, racute, uni0155, Rcommaaccent, uni0156, %
2681 rcommaaccent, uni0157, Rcaron, uni0158, rcaron, uni0159, Sacute, %
2682 uni015A, sacute, uni015B, Scircumflex, uni015C, scircumflex, uni015D, %
2683 Scedilla, uni015E, scedilla, uni015F, Scaron, uni0160, scaron, uni0161, %
2684 Tcedilla, uni0162, tcedilla, uni0163, Tcaron, uni0164, tcaron, uni0165, %
2685 Tbar, uni0166, tbar, uni0167, Utilde, uni0168, utilde, uni0169, Umacron, %
2686 uni016A, umacron, uni016B, Ubreve, uni016C, ubreve, uni016D, Uring, %
2687 uni016E, uring, uni016F, Uhungarumlaut, uni0170, uhungarumlaut, uni0171, %
2688 Uogonek, uni0172, uogonek, uni0173, Wcircumflex, uni0174, wcircumflex, %
2689 uni0175, Ycircumflex, uni0176, ycircumflex, uni0177, Ydieresis, uni0178, %
2690 Zacute, uni0179, zacute, uni017A, Zdotaccent, uni017B, zdotaccent, %
2691 uni017C, Zcaron, uni017D, zcaron, uni017E, h. superior, uni02B0, %
2692 hhook. superior, uni02B1, j. superior, uni02B2, r. superior, uni02B3, %
2693 rturned. superior, uni02B4, rhocturned. superior, uni02B5, %
2694 Rsmallinverted. superior, uni02B6, w. superior, uni02B7, y. superior, %
2695 uni02B8, uni02B9, uni02BA, uni02BB, afii57929, uni02BC, afii64937, %
2696 uni02BD, uni02BE, uni02BF, uni02C0, uni02C1, uni02C2, uni02C3, uni02C4, %

2697 uni02C5, circumflex, uni02C6, caron, uni02C7, uni02C8, uni02C9, uni02CA, %
 2698 uni02CB, uni02CC, uni02CD, uni02CE, uni02CF, uni02D0, uni02D1, uni02D2, %
 2699 uni02D3, uni02D4, uni02D5, uni02D6, uni02D7, breve, uni02D8, dotaccent, %
 2700 uni02D9, ring, uni02DA, ogonek, uni02DB, tilde, uni02DC, hungarumlaut, %
 2701 uni02DD, uni02DE, uni02DF, gammalatin.superior, uni02E0, l.superior, %
 2702 uni02E1, s.superior, uni02E2, x.superior, uni02E3, %
 2703 glottalstopreversed.superior, uni02E4, uni02EC, uni02ED, uni02EE, %
 2704 gravecomb, uni0300, acutecomb, uni0301, uni0302, tildecomb, uni0303, %
 2705 uni0304, uni0305, uni0306, uni0307, uni0308, hookabovecomb, uni0309, %
 2706 uni030A, uni030B, uni030C, uni030D, uni030E, uni030F, uni0310, uni0311, %
 2707 uni0312, uni0313, uni0314, uni0315, uni0316, uni0317, uni0318, uni0319, %
 2708 uni031A, uni031B, uni031C, uni031D, uni031E, uni031F, uni0320, uni0321, %
 2709 uni0322, dotbelowcomb, uni0323, uni0324, uni0325, uni0326, uni0327, %
 2710 uni0328, uni0329, uni032A, uni032B, uni032C, uni032D, uni032E, uni032F, %
 2711 uni0330, uni0331, uni0338, uni0342, uni0343, uni0351, uni0357, uni0358, %
 2712 uni0359, uni035A, uni035B, uni035C, uni035D, uni035E, uni035F, uni0360, %
 2713 uni0361, uni0362, uni0363, uni0374, uni0375, afii57799, uni05B0, %
 2714 afii57801, uni05B1, afii57800, uni05B2, afii57802, uni05B3, afii57793, %
 2715 uni05B4, afii57794, uni05B5, afii57795, uni05B6, afii57798, uni05B7, %
 2716 afii57797, uni05B8, afii57806, uni05B9, uni05BA, afii57796, uni05BB, %
 2717 afii57807, uni05BC, afii57839, uni05BD, afii57645, uni05BE, afii57841, %
 2718 uni05BF, afii57842, uni05C0, afii57804, uni05C1, afii57803, uni05C2, %
 2719 afii57658, uni05C3, uni05C6, afii57664, uni05D0, afii57665, uni05D1, %
 2720 afii57666, uni05D2, afii57667, uni05D3, afii57668, uni05D4, afii57669, %
 2721 uni05D5, afii57670, uni05D6, afii57671, uni05D7, afii57672, uni05D8, %
 2722 afii57673, uni05D9, afii57674, uni05DA, afii57675, uni05DB, afii57676, %
 2723 uni05DC, afii57677, uni05DD, afii57678, uni05DE, afii57679, uni05DF, %
 2724 afii57680, uni05E0, afii57681, uni05E1, afii57682, uni05E2, afii57683, %
 2725 uni05E3, afii57684, uni05E4, afii57685, uni05E5, afii57686, uni05E6, %
 2726 afii57687, uni05E7, afii57688, uni05E8, afii57689, uni05E9, afii57690, %
 2727 uni05EA, afii57716, uni05F0, afii57717, uni05F1, afii57718, uni05F2, %
 2728 arrowleft, uni2190, arrowup, uni2191, arrowright, uni2192, arrowdown, %
 2729 uni2193, arrowboth, uni2194, arrowupdn, uni2195, uni2196, uni2197, %
 2730 uni2198, uni2199, uni219A, uni219B, uni21A5, uni21A7, uni21BC, uni21BD, %
 2731 uni21C0, uni21C1, arrowdblleft, uni21D0, arrowdblup, uni21D1, %
 2732 arrowdblright, uni21D2, arrowdbldown, uni21D3, arrowdblboth, uni21D4, %
 2733 uni21D5, Nwarrow, uni21D6, Nearrow, uni21D7, Searrow, uni21D8, Swarrow, %
 2734 uni21D9, uni2318, uni2325, uni2326, uni2327, uni232B, uni237D, uni2380, %
 2735 uni2423, filledbox, uni25A0, H22073, uni25A1, triagup, uni25B2, uni25B3, %
 2736 uni25B6, uni25B7, triagdn, uni25BC, uni25BD, uni25C0, uni25C1, uni25C6, %
 2737 uni25C7, uni25C9, lozenge, uni25CA, circle, uni25CB, uni25CE, H18533, %
 2738 uni25CF, uni25D0, uni25D1, uni25D2, uni25D3, uni25D4, uni25D5, uni25D6, %
 2739 uni25D7, openbullet, uni25E6, uni2605, uni2619, uni261B, uni261E, %
 2740 uni2627, uni262F, uni2639, uni263A, uni263B, uni263C, uni263D, uni263E, %
 2741 uni263F, female, uni2640, uni2641, male, uni2642, uni2643, uni2644, %
 2742 uni2645, uni2646, uni2647, uni2648, uni2649, uni264A, uni264B, uni264C, %
 2743 uni264D, uni264E, uni264F, uni2650, uni2651, uni2652, uni2653, uni2660, %
 2744 uni2663, uni2665, uni2666, uni2669, musicalnote, uni266A, %
 2745 musicalnotedbl, uni266B, uni266C, uni2695, uni2698, uni26A2, uni26A3, %
 2746 uni26A4, uni26A5, uni26AD, uni2767, uni2776, uni2777, uni2778, uni2779, %
 2747 uni277A, uni277B, uni277C, uni277D, uni277E, uni277F, T_u_x, uniE000, %
 2748 uniE104, uniE128, uniE129, uniE12A, uniE130, uniE131, uniE132, uniE133, %

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2749     uniE134, uniE135, uniE138, uniE139, uniE13A, uniE13C, uniE13D, uniE168, %
2750     B_a_c_k, uniE16E, S_t_r_g, uniE170, A_l_t, uniE171, A_l_t_G_r, uniE172, %
2751     C_t_r_l, uniE173, S_h_i_f_t, uniE174, T_a_b, uniE175, E_n_t_e_r, %
2752     uniE176, C_a_p_s_l_o_c_k, uniE177, F_1, uniE178, F_2, uniE179, F_3, %
2753     uniE17A, F_4, uniE17B, F_5, uniE17C, F_6, uniE17D, F_7, uniE17E, F_8, %
2754     uniE17F, F_9, uniE180, F_1_0, uniE181, F_1_1, uniE182, F_1_2, uniE183, %
2755     F_1_3, uniE184, F_1_4, uniE185, F_1_5, uniE186, F_1_6, uniE187, uniE188, %
2756     H_o_m_e, uniE189, D_e_l, uniE18A, I_n_s, uniE18B, uniE18C, E_n_d, %
2757     uniE18E, G_N_U, uniE190, P_o_s_1, uniE191, E_n_t_f, uniE192, E_i_n_f, %
2758     uniE193, L_e_e_r, uniE194, E_s_c, uniE195, E_n_d_e, uniE196, uniE198, %
2759     uniE199, uniE19A, uniE19B, uniE1A0, uniE1A1, uniE1A2, uniE1A3, uniE1A4, %
2760     uniE1A5, uniE1A6, uniE1A7, uniE1A8, uniE1A9, uniE1AA, uniE1AB, uniE1AC, %
2761     uniE1AD, uniE1AE, uniE1B0, uniE1B1, grave.cap, uniE358, acute.cap, %
2762     uniE359, circumflex.cap, uniE35A, caron.cap, uniE35B, breve.cap, %
2763     uniE35C, hungarumlaut.cap, uniE35D, space_uni030F.cap, uniE35E, %
2764     breveinvertedcmb.cap, uniE35F, breve.cyr, uniE360, breve.cyr, %
2765     uniE361, dieresis.cap, uniE362, hookabovecomb.cap, uniE363, uniFFFD, %
2766     }, %
2767     % Keywords of class 4 : values of keys (in key=value)
2768     morekeywords=[4]{%
2769     }, %
2770     % Keywords of class 5 : arguments specifications (after ":" in expl3
2771     % syntax)
2772     morekeywords=[5]{%
2773     }, %
2774     % Keywords of class 6 : current package name (and possibly derived
2775     % packages)
2776     morekeywords=[6]{%
2777     biolinum }, %
2778     % otherkeywords={},
2779     % alsoletter={},
2780     % alsodigit={}, %
2781     % alsoother={}, %
2782     sensitive, %
2783 }[keywords, tex, comments]%
2784
2785 \lst@definlanguage[biblatex]{TeX}{%
2786     % Control sequences names
2787     moretexcs={%
2788     cite, Cite, parencite, Parencite, footcite, footcitetext, smartcite, %
2789     Smartcite, textcite, Textcite, supercite, cites, Cites, parencites, %
2790     Parencites, footcitesfootcitetexts, textcites, Textcites, supercites, %
2791     autocite, Autocite, autocite*, Autocite*, autocites, Autocites, %
2792     citeauthor, Citeauthor, citetitle, citetitle*, citeyear, citeurl, %
2793     parentext, brackettext, nocite, fullcite, footfullcite, volcite, %
2794     Volcite, pvolcite, Pvolcite, fvolcite, ftvolcite, tvolcite, Tvolcite, %
2795     avolcite, Avolcite, notecite, Notecite, pnotecite, Pnotecite, fnotecite, %
2796     citename, citelist, citefield, printbibliography, bibliography, %
2797     citedate, ExecuteBibliographyOptions, defbibnote, psq, psqq, %
2798     addbibresource, AtNextCite, DeclareNameAlias, %
2799     }, %
2800     % Keywords of class 1 : keywords that contain other characters (since

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2801 % of the same class as the ones specified as 'otherkeywords')
2802 morekeywords={%
2803 },%
2804 % Keywords of class 2 : environments names
2805 morekeywords=[2]{%
2806 },%
2807 % Keywords of class 3 : mandatory arguments (not environments) &
2808 % optional arguments which are keys (in key=value)
2809 morekeywords=[3]{%
2810 abstract, addendum, afterword, annotation, annotator, author, %
2811 authortype, bookauthor, bookpagination, booksubtitle, booktitle, %
2812 booktitleaddon, chapter, commentator, date, doi, edition, editor, %
2813 editora, editorb, editorc, editortype, editoratype, editorbtype, %
2814 editorctype, eid, eprint, eprintclass, eprinttype, eventdate, %
2815 eventtitle, file, foreword, holder, howpublished, indextitle, %
2816 institution, introduction, isan, isbn, ismn, isrn, issn, issue, %
2817 issuesubtitle, issuetitle, iswc, journalsubtitle, journaltitle, label, %
2818 language, library, location, mainsubtitle, maintitle, maintitleaddon, %
2819 month, nameaddon, note, number, organization, origdate, origlanguage, %
2820 origlocation, origpublisher, origtitle, pages, pagetotal, pagination, %
2821 part, publisher, pubstate, reprinttitle, series, shortauthor, %
2822 shorteditor, shorthand, shorthandintro, shortjournal, shortseries, %
2823 shorttitle, subtitle, title, titleaddon, translator, type, url, urldate, %
2824 venue, version, volume, volumes, year, crossref, entryset, entrysubtype, %
2825 execute, gender, hyphenation, indexsorttitle, keywords, options, %
2826 presort, sortkey, sortname, sorttitle, sortyear, xref, annote, %
2827 archiveprefix, journal, key, pdf, primaryclass, school, address, %
2828 datamodel, %
2829 %
2830 backend, style, citestyle, bibstyle, sorting, maxnames, minnames, %
2831 maxitems, minitems, backref, abbreviate, firstinits, prenote, postnote, %
2832 useprefix, autopunct, giveninits, labelname, given-family, %
2833 },%
2834 % Keywords of class 4 : values of keys (in key=value)
2835 morekeywords=[4]{%
2836 submitted, inpress, danish dutch, american, USenglish, english, british, %
2837 UKenglish, canadian, australian, newzealand, finnish, french, francais, %
2838 canadien, german, ngerman, austrian, naustrian, greek, italian, norsk, %
2839 nynorsk, brazil, portuges, spanish, swedish, %
2840 %
2841 biber, numeric, numeric-comp, numeric-verb, alphabetic, alphabetic-verb,
2842 %
2843 authoryear, authoryear-comp, authoryear-ibid, authoryear-icom, %
2844 authortitle, authortitle-comp, authortitle-ibid, authortitle-icom, %
2845 authortitle-terse, authortitle-tcomp, authortitle-ticom, verbose, %
2846 verbose-ibid, verbose-note, verbose-inote, verbose-trad1, verbose-trad
2847 2, %
2848 verbose-trad3, reading, draft, debug, and, inline, footnote, %
2849 superscript, plain, nyt, ynt, none, false, true, %
2850 },%
2851 % Keywords of class 5 : arguments specifications (after ":" in expl3
2852 % syntax)

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2851     morekeywords=[5]{%
2852     },%
2853     % Keywords of class 6 : current package name (and possibly derived
2854     % packages)
2855     morekeywords=[6]{%
2856         biblatex },%
2857     % directives
2858     directives={%
2859         article,book,inbook,bookinbook,suppbook,booklet,collection,%
2860         conference,incollection,suppcollection>manual,misc,online,patent,%
2861         periodical,supperiodical,proceedings,inproceedings,reference,%
2862         inference,report,thesis,unpublished,masterthesis,phdthesis,%
2863         string,comment,%
2864     },%
2865     % otherkeywords={},%
2866     alsoletter={-},%
2867     % alsodigit={},%
2868     delim=[directive]@,sensitive=false,%
2869 }[keywords,directives,TeX,comments]%
2870
2871 \lst@definlanguage[lthooks]{TeX}{%
2872     % Control sequences names
2873     moretexcs={%
2874         AddToHook,BeforeBeginEnvironment,AtBeginEnvironment,
2875         AtEndEnvironment,%
2876         AfterEndEnvironment,%
2877     },%
2878     % Keywords of class 1 : keywords that contain other characters (since
2879     % of the same class as the ones specified as 'otherkeywords')
2880     morekeywords={%
2881     },%
2882     % Keywords of class 2 : environments names
2883     morekeywords=[2]{%
2884     },%
2885     % Keywords of class 3 : mandatory arguments (not environments) &
2886     % optional arguments which are keys (in key=value)
2887     morekeywords=[3]{%
2888         % begin,end,
2889         before,after,begindocument,begindocument/before,%
2890         begindocument/end,endeddocument,endeddocument/afterlastpage,%
2891         endeddocument/afteraux,endeddocument/info,endeddocument/end,env,%
2892     },%
2893     % Keywords of class 4 : values of keys (in key=value)
2894     morekeywords=[4]{%
2895     },%
2896     % Keywords of class 5 : arguments specifications (after ":" in expl3
2897     % syntax)
2898     morekeywords=[5]{%
2899     },%
2900     % Keywords of class 6 : current package name (and possibly derived
2901     % packages)
2902     morekeywords=[6]{%
```

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2902     lthooks },%
2903     % otherkeywords={},%
2904     alsoletter={/},%
2905     % alsodigit={},%
2906     % alsoother={},%
2907     sensitive,%
2908 }[keywords,tex,comments]%
2909
2910 \lst@definlanguage[l3keys2e]{TeX}{%
2911     % Control sequences names
2912     moretexcs={%
2913         ProcessKeysOptions,ProcessKeysPackageOptions,%
2914     },%
2915     % Keywords of class 1 : keywords that contain other characters (since
2916     % of the same class as the ones specified as 'otherkeywords')
2917     morekeywords={%
2918     },%
2919     % Keywords of class 2 : environments names
2920     morekeywords=[2]{%
2921     },%
2922     % Keywords of class 3 : mandatory arguments (not environments) &
2923     % optional arguments which are keys (in key=value)
2924     morekeywords=[3]{%
2925     },%
2926     % Keywords of class 4 : values of keys (in key=value)
2927     morekeywords=[4]{%
2928     },%
2929     % Keywords of class 5 : arguments specifications (after ":" in expl3
2930     % syntax)
2931     morekeywords=[5]{%
2932     },%
2933     % Keywords of class 6 : current package name (and possibly derived
2934     % packages)
2935     morekeywords=[6]{%
2936         l3keys2e },%
2937     % otherkeywords={},%
2938     alsoletter={23},%
2939     % alsodigit={},%
2940     % alsoother={},%
2941     sensitive,%
2942 }[keywords,tex,comments]%
2943
2944 \lst@definlanguage[varioref]{TeX}{%
2945     % Control sequences names
2946     moretexcs={%
2947         vref,vpageref,%
2948     },%
2949     % Keywords of class 1 : keywords that contain other characters (since
2950     % of the same class as the ones specified as 'otherkeywords')
2951     morekeywords={%
2952     },%
2953     % Keywords of class 2 : environments names

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

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3006     % alsoletter={},
3007     % alsodigit={},%
3008     % alsoother={},%
3009     sensitive,%
3010 }[keywords, tex, comments]%
3011
3012 \lst@definelanguage[acro]{TeX}{%
3013     % Control sequences names
3014     moretexcs={%
3015         Ac, Aca, Acap, Acf, Acfp, Acl, Aclp, Acp, AcroAcronymsMap, AcroAddRow, %
3016         AcroMapBreak, AcroNeedPackage, AcroPropertiesMap, AcroPropertiesSet, %
3017         AcroRerun, AcroStyle, AcroTemplateName, AcroTemplateType, AcronymID, %
3018         AcronymTable, Acs, Acsp, BeginAccSupp, Dacs, DeclareAcroArticle, %
3019         DeclareAcroEnding, DeclareAcroPreset, DeclareAcroProperty, %
3020         DeclareAcroPropertyAlias, DeclareAcroTranslation, DeclareAcronym, Iac,
3021         %
3022         Iaca, Iacf, Iacl, Iacs, MakeAcroPropertyAlias, NewAcroCommand, %
3023         NewAcroPreset, NewAcroTemplate, RenewAcroCommand, RenewAcroPreset, %
3024         RenewAcroTemplate, SetupAcroTemplate, SetupNextAcroTemplate, %
3025         UseAcroTemplate, abbrdot, ac, aca, acap, acbarrier, acdot, acf, acfg, %
3026         acflike, acfootnote, acfp, acg, aciftrailing, acl, aclg, aclp, acp, %
3027         acreset, acresetall, acrocite, acrodefinite, acrodonotuse, acrodotfill, %
3028         acroendfootnote, acroformat, acrofull, acrogroupcite, acroheading, %
3029         acroifT, acroifTF, acroifallTF, acroifanyT, acroifanyTF, %
3030         acroifbooleanTF, acroifchapterF add, acroifchapterTF, acroiffirstT, %
3031         acroiffirstTF addchap, acroifpagesTF, acroifsingleTF, acroifstarredTF,
3032         %
3033         acroiftagTF, acroifusedTF, acroindefinite, acrolistname, acroneedpages,
3034         %
3035         acronopagerange, acronymsmmap, acronymsmmapF, acronymsmmapTF, acropagefill
3036         ,%
3037         acropages, acroplural, acropossessive, acropreamble, acroshow, %
3038         acrotranslate, acroupper, acrowrite, acs, acsetup, acsp, acspace, %
3039         acswitchoff, acswitchon, acuse, dacs, declareAcronym, iac, iaca, iacf, %
3040         iacl, iacs, iacsg, printacronyms, %
3041         %
3042         acro_locale, acro_if_foreign, acro_if_locale, __acro_foreign_language,
3043         %
3044         acro_property_get, acro_property_if_set, acro_property_get, %
3045     },%
3046     % Keywords of class 1 : keywords that contain other characters (since
3047     % of the same class as the ones specified as 'otherkeywords')
3048     morekeywords={%
3049     },%
3050     % Keywords of class 2 : environments names
3051     morekeywords=[2]{%
3052     },%
3053     % Keywords of class 3 : mandatory arguments (not environments) &
3054     % optional arguments which are keys (in key=value)
3055     morekeywords=[3]{%
3056         activate, addsec, addsec*, all, alt, alt, alt-acc, alt-format, %
3057         alt-indefinite, alt-plural, alt-plural-form, barriers, before-citation,

```

```

3053     caption,%
3054     case-insensitive,%case-sensitive,%chapter,chapter*,cite,clear,cmd,%
3055     deactivate,define,description,disable,display,exclude,extra,%
3056     extra-acc,extra-foreign,extra-format,extra-long,fill,first,%
3057     first-long,first-long-format,first-style,first-style ,floats,%
3058     footnote,foreign,foreign,foreign-acc,foreign-babel,foreign-format ,
%
3059     foreign-locale,foreign-plural,foreign-plural-form,format,format,%
3060     group,heading,id,include,index,index,index-cmd,index-sort,%
3061     language,link-only-first,list,list,list-acc,list-format,%
3062     list/display,lists,load-style,local,locale,lof,long,long,%
3063     long-acc,long-format,long-indefinite,long-plural,long-plural-ending
%,
3064     long-plural-form,long-post,long-short,longtable,longtabu,lppl,%
3065     ltxtable,make-links,maketitle,method,name,no-index,none,options,%
3066     pages,pdf,pdf,pdfcomment,pdfcomment/cmd,pdfcomment/use,pdfstring,%
3067     post,pre,preamble,preset,replace,reset,section,section*,short,%
3068     short,short,short-acc,short-format,short-indefinite,short-long,%
3069     short-plural,short-plural-ending,short-plural-form ,show,single,%
3070     single,single,single-acc threshold,single-format
3071     title,single-style,%
3072     single-style,sort,sort,subsequent-style,subsequent-style,%
3073     supertabular,tabular,tabularx,tag,upgrade,use,use-id-as-short,%
3074     uselist,version,%
3075 },%
3076 % Keywords of class 4 : values of keys (in key=value)
3077 morekeywords=[4]{%
3078 },%
3079 % Keywords of class 5 : arguments specifications (after ":" in expl3
3080 % syntax)
3081 morekeywords=[5]{%
3082 },%
3083 % Keywords of class 6 : current package name (and possibly derived
3084 % packages)
3085 morekeywords=[6]{%
3086     acro%
3087 },%
3088 % otherkeywords={},%
3089 alsoletter={-_%},%
3090 % alsodigit={},%
3091 % alsoother={},%
3092 sensitive,%
3093 }[keywords, tex, comments]%
3094
3095 \lst@definlanguage[csquotes]{TeX}{%
3096     % Control sequences names
3097     moretexcs={%
3098         enquote,%
3099     },%
3100     % Keywords of class 1 : keywords that contain other characters (since
3101     % of the same class as the ones specified as 'otherkeywords')

```

```

3102     morekeywords={%
3103     },%
3104     % Keywords of class 2 : environments names
3105     morekeywords=[2]{%
3106         displayquote,%
3107     },%
3108     % Keywords of class 3 : mandatory arguments (not environments) &
3109     % optional arguments which are keys (in key=value)
3110     morekeywords=[3]{%
3111     },%
3112     % Keywords of class 4 : values of keys (in key=value)
3113     morekeywords=[4]{%
3114     },%
3115     % Keywords of class 5 : arguments specifications (after ":" in expl3
3116     % syntax)
3117     morekeywords=[5]{%
3118     },%
3119     % Keywords of class 6 : current package name (and possibly derived
3120     % packages)
3121     morekeywords=[6]{%
3122         csquotes%
3123     },%
3124     % otherkeywords={},
3125     % alsoletter={},
3126     % alsodigit={},%
3127     % alsoother={},%
3128     sensitive,%
3129 }[keywords, tex, comments]%
3130
3131 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3132 % tcolorbox
3133 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3134 \lst@definlanguage[tcolorbox]{TeX}%
3135 {%
3136     % Control sequences names
3137     moretexcs={%
3138         tcbuselibrary, newtcbtheorem, tcbset%
3139     },%
3140     % Keywords of class 1 : keywords that contain other characters (since
3141     % of the same class as the ones specified as 'otherkeywords')
3142     morekeywords={%
3143         %
3144     },%
3145     % Keywords of class 2 : environments names
3146     morekeywords=[2]{%
3147         absquote, boxarraystore, dispExample, dispExample*, dispListing, %
3148         dispListing*, docCommand, docCommand*, docCommands, docEnvironment, %
3149         docEnvironment*, docEnvironments, docKey, docKey*, docKeys, %
3150         docPathOperation, docPathOperation*, docPathOperations, extcolorbox, %
3151         exttikzpicture, fooauxenv, foocolorbox, foocolorbox*, posterboxenv, %
3152         tcbclipframe, tcbclipinterior, tcbcliptitle, tcbexternal, %
3153         tcbinvclipframe, tcbitemize, tcblisting, tcboutputlisting, %

```

```

3154         tcbxeditimize, tcbxedraster, tcbposter, tcbrafter, tcbverbatimwrite, %
3155         tcbwritetemp, tcolorbox, %
3156     }, %
3157     % Keywords of class 3 : mandatory arguments (not environments) &
3158     % optional arguments which are keys (in key=value)
3159     morekeywords={3}{%
3160         Crefname, IfBooleanF, IfBooleanT, IfBooleanTF, IfNoValueF, IfNoValueT, %
3161         IfNoValueTF, IfValueF, IfValueT, IfValueTF, PassOptionsToClass, %
3162         PassOptionsToPackage, above*, above, actual, adapt, add, adjust, %
3163         adjusted, after, alert, alerted, algorithm, align*, align, all, ams, %
3164         and, angular, annotate, app, arara, arc, array, as, at, attach, auto, %
3165         autoparskip, balanced, base, basedim, baseline, beamer, bean, before, %
3166         beforeafter, % begin,
3167         below, between, biber, bibtex, bicolor, blank, %
3168         blanker, blankest, blend, body, bold, bookmark*, bookmark, borderline, %
3169         both, bottom*, bottom, bottomrule, bottomsep, bottomtitle, bounding, %
3170         box, boxed, boxes, boxrule, boxsep, break*, break, breakable, broken, %
3171         by, caption, capture, center, check, circular, clear, clip, code, %
3172         colback, colbacklower, colbacktitle, colframe, collower, colon, color, %
3173         colorize, colors, colspacing, coltext, coltitle, column*, column, %
3174         columns, colupper, command, comment, compilable, compiler, compress, %
3175         content, corner, corners, counter*, counter, counters, coverage, %
3176         crefname, current, curved, dash, default, definition, delimiters, %
3177         description, detach, directory, do, doc, docexample, documentation, %
3178         downwards, draft, draftmode, draw, drop, dvips, east, empty, % end,
3179         %
3180         enforce, engine, english, enhanced, enlarge, enlargement, enlargepage, %
3181         entry, environment, environments, equal, equation*, equation, error, %
3182         even, every, example!, example, extend, extension, external, %
3183         externalize, extras, extrude, fade, fading, file, fill, filled, finally, %
3184         finish, first, fit, fitting, fixed, flexible, flip, float*, float, %
3185         floatplacement, flush, flushleft, flushright, font, fontlower, fontsize, %
3186         fonttitle, fontupper, for, force, format, formatter, frame, freelance, %
3187         freelancefirst, freelancelast, freelancemiddle, freestyle, freeze, from,
3188         %
3189         full, fuzzy, gap, gather*, gather, geometry, german, goal, graphical, %
3190         graphics, group, grow, halign, halo, hanging, hbox, head, height, %
3191         hidden, hide, higher, highlight, hooks, horizontal, hyperlink, hyperref, %
3192         hypertarget, hyperurl*, hyperurl, hyphenationfix, if, ignore, image, in, %
3193         indent, index*, index, inherit, initially, input, inputencoding, inside, %
3194         interior, into, invisible, inwards, is, jigsaw, jpg, key, keypath, keys, %
3195         keywords, label, language, large, last, latex, layer, layers, left*, %
3196         left, lefthand, leftlower, leftright, leftrule, lefttitle, leftupper, %
3197         length, lengths, level, lifted, limit, line*, line, lines, list, %
3198         listing!, listing, listings, listingsutf, lower*, lower, lowerbox, %
3199         lowered, lualatex, m, macros, magazine, makeindex, many, marginnote, %
3200         marker, math, maxfontdiff, maxfontdiffgap, maxstep, maxwidthdiff, %
3201         maxwidthdiffgap, method, midday, middle, minimum, minipage, minted, %
3202         most, move, multicolumn, multirow, n, name, nameref, natural, new, %
3203         nirvana, no, nobeforeafter, nobreak, node, nodes, nodisplayskip, %
3204         nofloat, none, noparskip, nophantom, north, northeast, northwest, not, %

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```

3205 opacity, opacityback, opacitybacklower, opacitybacktitle, opacityfill, %
3206 opacityframe, opacitylower, opacitytext, opacitytitle, opacityupper, %
3207 option, options, or, orientation, out, outer, outside, outwards, over, %
3208 overlay, overlays, oversize, overzoom, pad, page*, page, pages, %
3209 pageshort, parameter, parbox, parenthesis, parfillskip, parskip, path, %
3210 paths, pdf, pdflatex, percent, phantom, phantomlabel, placeholder, %
3211 plain, plus, png, poster, pre, preamble, preclass, prefix, process, %
3212 pspdf, quote, raise, raised, raster, ratio, record, recording, remake, %
3213 remember, remove, reset, restore, right*, right, righthand, rightlower, %
3214 rightrule, righttitle, rightupper, rotate, rounded, row, rows, %
3215 rowspacing, rowspan, run, runner, runs, safety, savedelimiter, %
3216 savelowerto, saveto, scale, scope, segmentation, semi, separated, %
3217 separator, sequence, settings, shade, shading, shadow, sharp, sharpish, %
3218 shield, show, showframe, shrink, side, sidebyside, sideways, sign, %
3219 size, skin, skins, skip, small, smart, sort, source, south, southeast, %
3220 southwest, space, spacing, span, spartan, split, spread, square, %
3221 squeezed, stack, standard, step, store, stretch, style, subskin, %
3222 subtitle, supplement, switch, system, tabulars*, tabulars, tabularx*, %
3223 tabularx, tcbimage, tcbbox, preamble tcbset, tempfile, terminator, text, %
3224 theorem, theorems, tight, tikz, tikznode, tile, title*, title, titlebox, %
3225 titled, titlerule, to, toggle, top*, top, toprule, topsep, toptitle, %
3226 type, unbreakable, unbroken, underlay, updated, upper*, upper, upperbox, %
3227 upwards*, upwards, use, utf, valign, value, values, varwidth, verbatim, %
3228 vertical, vfill, vignette, visible, void, warning, watermark, west, %
3229 widget, width, with, within, xelatex, xmax, xmin, xparse, xshift, ymax, %
3230 ymin, yshift*, yshift, yshifttext, zoom, %
3231 }, %
3232 % Keywords of class 4 : values of keys (in key=value)
3233 morekeywords=[4]{%
3234 all, and, apart, areastyle*, areastyle, as-is, auto, base, baselineskip, %
3235 beamer, beamerfirst, beamerlast, beamermiddle, bicolor, bicolorfirst, %
3236 bicolorlast, bicolormiddle, both, bottom, break, broken, center, change, %
3237 clipped, colon, copy, dash, direct, doc, downhill, draft, east, empty, %
3238 emptyfirst, emptylast, emptymiddle, enhanced, enhancedfirst, %
3239 enhancedlast, enhancedmiddle, evenpage, false, fbox, figures, final, %
3240 first, fitbox, flush, fontsize*, fontsize, forced, freelance, %
3241 freelancefirst, freelancelast, freelancemiddle, hang, hbox, hybrid*, %
3242 hybrid, ignored, invisible, jigsaw, justify, landscape*, landscape, %
3243 last, left, limited, listings, margin, maximum, middle, minimal, %
3244 minimum, minipage, minted, none, normal, north, northeast, northwest, %
3245 off, on, path, pathfirst, pathfirstjigsaw, pathjigsaw, pathlast, %
3246 pathlastjigsaw, pathmiddle, pathmiddlejigsaw, pgf, pgfchapter, %
3247 pgfsection, plain, portrait*, portrait, right, rows, scale*, scale, %
3248 seam, small, south, southeast, southwest, spartan, squeeze, standard, %
3249 tables, tight, tile, tilefirst, tilelast, tilemiddle, title, top, true, %
3250 unbroken, unlimited, uphill, visible, west, widget, widgetfirst, %
3251 widgetlast, widgetmiddle, red, black, white, none, %
3252 }, %
3253 % Keywords of class 5 : arguments specifications (after ":" in expl3
3254 % syntax)
3255 morekeywords=[5]{%
3256 }, %

```



```

3257 % Keywords of class 6 : current package name (and possibly derived
3258 % packages)
3259 morekeywords=[6]{%
3260   tcolorbox%
3261 },%
3262 % otherkeywords={},%
3263 alsoletter={ \ },%
3264 % alsodigit={},%
3265 % alsoother={},%
3266 sensitive,%
3267 }[keywords, tex, comments]%
3268
3269 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3270 % Classes (La)TeX
3271 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3272 \lst@definlanguage[classes]{TeX}{%
3273   % Control sequences
3274   moretexcs={%
3275     },%
3276   % Keywords of class 1 : keywords that contain other characters
3277   % (since of the same class as the ones specified as
3278   % 'otherkeywords')
3279   morekeywords={%
3280     %
3281   },%
3282   % Keywords of class 2 : environments names
3283   morekeywords=[2]{%
3284     },%
3285   % Keywords of class 3 : mandatory arguments (not environments)
3286   % & optional arguments which are keys (in key=value)
3287   morekeywords=[3]{%
3288     },%
3289   % Keywords of class 4 : values of keys (in key=value)
3290   morekeywords=[4]{%
3291     },%
3292   % Keywords of class 5 : arguments specifications (after “:”
3293   % in expl3 syntax)
3294   morekeywords=[5]{%
3295     },%
3296   % Keywords of class 6 : current package name (and possibly
3297   % derived packages)
3298   morekeywords=[6]{%
3299     a0poster, aalok, aastex631, abntex2, achemso, acmart, acmconf,
3300     active-conf, adfathesis, afparticle, afthesis, aguplus, aiaa-tc,
3301     akklecture, akkscript, akktecdoc, akletter, myletter, ametsoc,
3302     amsart, amsbook, amsdtx, amsldoc, amsproc, aomart, apa, apa6,
3303     apa6e, apa7, arabart, arabbook, arabrep, arabrep1, articleingud,
3304     asaetr, ascelike, asmeconf, asmejourn, assignment, aucklandthesis,
3305     bangorcsthesis, bangorexam, barticle, bbook, bletter,
3306     bankstatement, article, book, letter, ltnews, ltxdoc, ltxguide,
3307     minimal, proc, report, slides, source2edoc, basque-book, beamer,
3308     beamerswitch, beaulivre, beilstein, argetabelle, bewerbung,

```

3309 bgteubner, BHCexam, bitart, bitbook, bjfuthesis, BMSTU-IU8,
 3310 bookcover, bookest, bookshelf, br-lex, brandeis-dissertation,
 3311 brandeis-problemset, brandeis-thesis, buctcover, buctthesis,
 3312 bxjsarticle, bxjsbook, bxjsreport, bxjsslide, cascadilla, cd,
 3313 cd-cover, articoletteracdp, letteracdp, cesenaexam, cheatsheet,
 3314 chemmacros-manual, chletter, cje, cnbwp, cnltx-doc, codedoc,
 3315 colorart, colorbook, combine, cc, ConcProg, confproc, contracard,
 3316 courseoutline, coursepaper, cquthesis, csbulletin, csbulobalka,
 3317 csbulv1, ctexart, ctexbeamer, ctexbook, ctexrep, ctdoc, curve,
 3318 cv4tw, cweb, idcc, ijdc-v14, ijdc-v9, dinbrief, disser, gost732,
 3319 dithesis, droit-fr, dtk, dvdcoll, easybook, ebsthesis, agecon,
 3320 ajae, apecon, ecca, erae, itaxpf, jrurstud, njf, oegatb, pocoec,
 3321 regstud, worlddev, ecv, einfart, ejpecp, elbioimp, elegantbook,
 3322 elegantnote, elegantpaper, elpres, cas-dc, cas-sc, elsarticle,
 3323 elteikthesis, emisa, emulateapj, erdc, eskd, eskdgraph, eskdtab,
 3324 eskdtext, estcpmm, europasscv, europecv, exam, exam-n, examdesign,
 3325 exesheet, extarticle, extbook, extletter, extproc, extreport,
 3326 facsimile, factura, fancyhandout, fancyslides, fbithesis, fcavtex,
 3327 fdudoc, fduthesis-en, fduthesis, fei, ffslides, fithesis,
 3328 fithesis2, fithesis3, fithesis4, flacards, flashcards, frletter,
 3329 g-brief, g-brief2, gaceta, gammas, gatech-thesis, gmdocc,
 3330 gradstudentresume, grant-afosr, grant-aro, grant-darpa, grant-doe,
 3331 grant-nih, grant-nrl, grant-nsf, grant-onr, grant, graphpaper,
 3332 gridslides, gsemthesis, guitartabs, gzt, gztarticle, h2020proposal,
 3333 hgbarticle, hgbreport, hgbthesis, harnon-cv, hausarbeit-jura,
 3334 hcart, hcletter, hcreport, hcslides, hecthesse, hepthesis, hitec,
 3335 hithesis, hitreport, hitszthesis, hletter, hpsdiss, fsbisplit,
 3336 huawei, hustthesis, icsv, IEEEconf, IEEEtran, ijmart, ijsra,
 3337 image-gallery, IMTEKda, inkpaper, invoice-class, iodhbwm, iscam,
 3338 isov2, isodoc, iwhdp, jacow, jlreq, jmlr, jmlrbook, jnuexam, jpsj2,
 3339 jura, jurabook, juraovw, juraurtl, kdgcoursetext, kdgmasterthesis,
 3340 kdpcover, kerntest, kluwer, knittingpattern, scrartcl, scrarticle,
 3341 scrbook, scrdoc, scrletter, scrletttr2, scrreport, scrreprt, komacv,
 3342 oblivoir-utf, oblivoir-xl, oblivoir, xoblivoir, ksp-thesis, l3doc,
 3343 labbook, leadsheet, leaflet, lebhart, lectures, letgut, lettre, limap,
 3344 limecv, lion-msc, lni, lps, lt3graph-packagedoc, ltxdockit,
 3345 ltxguidex, abstbook, beletter, flashcard, iagproc, cours, fiche,
 3346 matapli, matc3mem, mcmthesis, ltxmdf, medstarbeamer, meetingmins,
 3347 memoir, mensa-tex, mentis, metanorma, milog, minimart, minimbook,
 3348 mla, mluexercise, mnras, moderncv, modernposter, msu-thesis,
 3349 mucproc, mugsthesis, muling, musuos, muthesis, third-rep, mwart,
 3350 mwbk, mwrep, mycv, nature, ncc, nccproc, sibjnm, nddiss2e,
 3351 ndsu-thesis, newlfm, nih, nihbiosketch, njurepo, nlctdoc, nostarch,
 3352 nrc1, nrc2, artikel1, artikel2, artikel3, boek, boek3, brief,
 3353 rapport1, rapport3, nwejm, nwejmart, octavo, onrannual,
 3354 oup-authoring-template, journal, paper, papertex, pbsheet, pecha,
 3355 petiteannonce, philosophersimprint, pittetd, pkuthss, plari, play,
 3356 postcards, powerdot, FUpowerdot, ppr-prv, pracjourn, pressrelease,
 3357 proposal, reporting, dfgproposal, dfgreporting, euproposal,
 3358 eureporting, prosper, protocol, prtec, upmgr, wkmgr, pst-doc,
 3359 ptptex, qcm, quantumarticle, qyxf-book, ReadableCV, recipe,
 3360 RecipeBook, recipecard, refart, refrep, resphilosophica, revtex4-2,


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3361     revtex4, revtex4-1, rtklage, ryersonSGSThesis, ryethesis, sageep,
3362     saphesis, schuleab, schulein, schuleit, schulekl, schuleub,
3363     schuleue, schullsg, schullzk, schulma-ab, schulma-gutachten,
3364     schulma-klausur, schulma-komp, schulma-mdlprf, schulma-praes,
3365     schwalbe, sciposter, screenplay, scrjrnl, sdapsclassic, sduthesis,
3366     seminar, semproc, sesmanuel, seuthesix, sffms, cassette, etiketka,
3367     shtthesis, caesar_book, sides, simplecv, simplivre, skbarticle,
3368     skbbeamer, skbbook, skblncsbeamer, skblncsppt, skbmoderncv, skdoc,
3369     skeyval-testclass, skrapport, smfart, smfbook, SPhdThesis, spie,
3370     sr-vorl, sslides, stage, standalone, uthesis, hwexam, mikoslides,
3371     omdoc, smglom, subfiles, suftesi, sugconf, tabriz-thesis, talk,
3372     tcldoc, tcldoc, powersem, thesis-ekf, thesis-gwu, thuthesis,
3373     tikz-kalender, tikzposter, tlc-article, TOPletter, toptesi,
3374     tudabeamer, tudaexercise, tudaleaflet, tudaletter, tudaposter,
3375     tudapub, tudasciposter, tudscrartcl, tudscrbook, tudscrdoc,
3376     tudscrmanual, tudscrposter, tudscrreprt, tufte-book, tufte-handout,
3377     ltugboat, ltugproc, tui, turabian, turabian-researchpaper,
3378     turabian-thesis, my-thesis, ua-thesis, uafthesis,
3379     uantwerpenbamathesis, uantwerpencoursetext, uantwerpenexam,
3380     uantwerpenletter, uantwerpenphdthesis, uantwerpenreport,
3381     ucalgmthesis, ucblthesis, ucdavisthesis, ucsmonograph, uthesis,
3382     udesoftec, uebungsblatt, uestcthesis, uhhassignment, uiucredborder,
3383     uiucthesis, ulthese, legislation, umich-thesis, umthesis,
3384     unam-thesis, unifith, unitn-bimrep, univie-ling-expose,
3385     univie-ling-paper, univie-ling-thesis, univie-ling-wlg,
3386     unizgklasa, uothesis, UoWthesis, upmethodology-document, URbeamer,
3387     URletter, uspatent, ut-thesis, utexasthesis, uwmslide, uwthesis,
3388     verifica, webquiz, willowtreebook, withargs-packagedoc,
3389     wsemclassic, xduthesis, xebaposter, xmuthesis, xsim-manual,
3390     yaletter, yathesis, ycbook, ydoc, york-thesis,
3391     },%
3392     % otherkeywords={},%
3393     alsoletter={0123456789-},%
3394     % alsodigit={},%
3395     sensitive%
3396 }[keywords, tex, comments]%
```

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

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2. T_EX User Group [anglais] : groupe (international) d'utilisateurs de T_EX.

3. Nous vous remercions de privilégier le virement bancaire.