



## The Treasure Chest

The following is a list of selected new packages posted to CTAN (<http://ctan.org>) from October 2015 through March 2016, with descriptions based on the announcements and edited for extreme brevity.

Entries are listed alphabetically within CTAN directories. More information about any package can be found at <http://ctan.org/pkg/pkgname>. A few entries which the editors subjectively believe to be of especially wide interest or otherwise notable are starred; of course, this is not intended to slight the other contributions.

We hope this column and its companions will help to make CTAN a more accessible resource to the T<sub>E</sub>X community. Comments are welcome, as always.

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### fonts

#### cochineal in fonts

Major extension of the Crimson fonts, including Greek and Cyrillic.

#### crimson in fonts

The original Crimson (a new old style design) font family.

#### libertinus in fonts

New math font and bug fixes for Libertine (see note in this issue).

#### libertinust1math in fonts

Extended Type 1 support for the new Libertinus.

#### libertinegc in fonts

Support for Greek and Cyrillic in Linux Libertine.

#### \*librebodoni in fonts

The Libre Bodoni font family.

#### miama in fonts

The Miama Nueva handwriting/script font, with support for Latin, Cyrillic, and Greek.

#### \*nimbus15 in fonts

Support for the 2015 Nimbus fonts, including Greek and Cyrillic and a new weight and width for Courier.

#### \*noto in fonts

Support for NotoSerif and NotoSans.

#### yinit-otf in fonts

OpenType version of the yinit fancy initials font.

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### graphics

#### ellipse in graphics

Draw ellipses and elliptical arcs using the standard `picture` environment.

#### mparrows in graphics/metapost/contrib/macros

Draw different types of arrowheads with MetaPost.

`tikz-feynman` in `graphics/pgf/contrib`  
Draw Feynman diagrams with TikZ.

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### indexing

#### upmendex in indexing

Multi-lingual index processor supporting UTF-8 and Unicode sorting, mostly compatible with `makeindex`.

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### info

#### einguehrung2 in info/examples

Examples from the book *Einführung in L<sup>A</sup>T<sub>E</sub>X*.

#### formation-latex-ul in info

Materials for a two-part introductory course in French.

#### lshort/estonian in info

Estonian translation of *The Not So Short ...*

#### visuالتikz in info

Visual help for TikZ: an image per command or parameter.

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### language

#### greektoni in language/greek

Support for multi-accented Greek.

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### macros/generic

#### gobble in macros/generic

Remove following arguments, possibly optional.

#### \*luatex85 in macros/generic

Emulation of pdfT<sub>E</sub>X and other primitives changed in LuaT<sub>E</sub>X 0.85+ (see note in this issue).

#### tex-ini-files in macros/generic

Build T<sub>E</sub>X formats.

#### \*unicode-data in macros/generic

Text files from the Unicode Consortium and T<sub>E</sub>X files to load them.

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### macros/latex/contrib

#### adtreess in macros/latex/contrib

Draw adpositional (natural language) trees, defined by Gobbo and Benini.

#### asciilist in macros/latex/contrib

Typeset lists without macros.

#### bibletext in macros/latex/contrib

Insert Bible passages by reference.

#### bitpattern in macros/latex/contrib

Typeset bit pattern diagrams for hardware, etc.

#### bxdvidriver in macros/latex/contrib

Enables specifying a driver option only for DVI output.

#### bxpapersize in macros/latex/contrib

Synchronize output and layout paper size.

#### carbohydrates in macros/latex/contrib

Draw carbohydrate molecules with `chemfig`.

#### continue in macros/latex/contrib

Print continuation marks on verso pages.

- `delimseasy` in `macros/latex/contrib`  
Easy commands for controlling size and boldness of delimiters.
- `drawmatrix` in `macros/latex/contrib`  
Visually represent matrices.
- `econometrics` in `macros/latex/contrib`  
Simplify notation for economic writing, based on the proposal by Abadir and Magnus.
- `emisa` in `macros/latex/contrib`  
Support for *EMISA* journal manuscripts.
- `eq2db` in `macros/latex/contrib`  
Convert self-contained `exerquiz` quiz to a server-side submission.
- \*`fixcmex` in `macros/latex/contrib`  
Support scalable `cmex` fonts.
- `ffslides` in `macros/latex/contrib`  
Free-form slides based on the `article` class.
- `getitems` in `macros/latex/contrib`  
Gather items from a list environment.
- `gitlog` in `macros/latex/contrib`  
Typeset `git` changelogs.
- `gloss-occitan` in `macros/latex/contrib`  
Polyglossia support for Occitan.
- `glossaries-extra` in `macros/latex/contrib`  
Add-ons to the `glossaries` package.
- `glossaries-swedish` in `macros/latex/contrib`  
Swedish language support for `glossaries`.
- `graphics-cfg` in `macros/latex/contrib`  
Default driver options for `color` and `graphics`.
- `iffont` in `macros/latex/contrib`  
Conditionally load fonts with `fontspec`.
- `keyvaltable` in `macros/latex/contrib`  
Typeset tables with reusable layout.
- `ksp-thesis` in `macros/latex/contrib`  
Support KIT Scientific Publishing works.
- `longfox` in `macros/latex/contrib`  
Draw framed boxes with standard CSS attributes that can break over multiple pages.
- `lroundrect` in `macros/latex/contrib`  
 $\LaTeX$  support for the MetaPost `roundrect`.
- `mathpartir` in `macros/latex/contrib`  
Typeset sequences of math formulas, e.g., for type inference rules.
- `moodle` in `macros/latex/contrib`  
Generate Moodle quizzes via  $\LaTeX$ .
- `multidef` in `macros/latex/contrib`  
Define multiple macros with similar definitions.
- `mynsfc` in `macros/latex/contrib`  
 $X_{\text{Y}}\LaTeX$  template for Natural Science Foundation of China proposals.
- `nihbiosketch` in `macros/latex/contrib`  
Class for 2015 NIH biosketches.
- `normalcolor` in `macros/latex/contrib`  
Save and restore a color.
- `nucleardata` in `macros/latex/contrib`  
Data about atomic nuclides.
- `parades` in `macros/latex/contrib`  
Tabulators and vertical paragraph spacing using a galley approach (see article in this issue).
- `pgfornament` in `macros/latex/contrib/tkz`  
Draw 196 Victorian ornaments with `PGF/TikZ`.
- `prooftrees` in `macros/latex/contrib`  
Forest-based symbolic logic proof trees.
- `scltrtr2copy` in `macros/latex/contrib`  
Creating copies of letters made with `scltrtr2`.
- `seuthesisx` in `macros/latex/contrib`  
Thesis class for Southeast University, Nanjing.
- `signchart` in `macros/latex/contrib`  
Typeset sign charts.
- `simpler-wick` in `macros/latex/contrib`  
Simpler Wick contractions.
- `smartunits` in `macros/latex/contrib`  
Convert between some metric and Imperial units.
- `texvc` in `macros/latex/contrib`  
Support MediaWiki  $\LaTeX$  commands, for copy-and-paste of formulae from MediaWiki to documents.
- `xassocnt` in `macros/latex/contrib`  
Step associated counters simultaneously.
- `xduthesis` in `macros/latex/contrib`  
 $X_{\text{Y}}\LaTeX$  template for Xidian University theses.
- `xsavebox` in `macros/latex/contrib`  
Saving content without output duplication, using PDF Form Objects.
- `ycbook` in `macros/latex/contrib`  
Versatile book class.
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- macros/latex/contrib/babel-contrib**
- `macedonian` in `m/1/c/babel-contrib`  
Babel support for Macedonian Cyrillic.
- `occitan` in `m/1/c/babel-contrib`  
Babel support for Occitan.
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- macros/latex/contrib/beamer-contrib/themes**
- `beamer-verona` in `m/1/c/beamer-contrib/themes`  
The ‘Verona’ Beamer theme by Till Tantau.
- `beamercolorthemeowl` in `m/1/c/beamer-contrib/themes`  
Color theme to maximize visibility.
- `metropolis` in `m/1/c/beamer-contrib/themes`  
The modern ‘Metropolis’ theme.
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- macros/latex/contrib/biblatex-contrib**
- `ecobiblatex` in `m/1/c/biblatex-contrib`  
Global ecology and biogeography styles.
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- macros/luatex/latex**
- `arabluatex` in `macros/luatex/latex`  
Generate Arabic from an ASCII transliteration, similar to `ArabTeX`.
- `luatex-def` in `macros/luatex/latex`  
Lua $\TeX$  option file for the `color` and `graphics` packages.