



The Treasure Chest

This is a list of selected new packages posted to CTAN (<http://ctan.org>) from November 2011 to March 2012, with descriptions based on the announcements and edited for brevity.

Entries are listed alphabetically within CTAN directories. A few entries which the editors subjectively believed 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_EX community. Comments are welcome, as always.

◇ Karl Berry
<http://tug.org/ctan.html>

fonts

amiri in **fonts**
 Classical Arabic typeface, Naskh style, inspired by the Bulaq Press typeface.

ipaex in **fonts**
 IPA and IPAex fonts, fixed-width Kana and Kanji and variable-width Western characters.

libertine-legacy in **fonts**
 Last release of Libertine including Type 1 fonts.

mdsymbol in **fonts**
 Mathematical symbol font, especially for Adobe Myriad Pro.

thaifonts-arundina in **fonts/thai**
 DejaVu-compatible serif, sans serif, and monospaced Thai fonts.

graphics

pst-pulley in **graphics/pstricks/contrib**
 Plot different pulleys.

pst-solarsystem in **graphics/pstricks/contrib**
 Plot visible planets.

pst-tools in **graphics/pstricks/contrib**
 Helper functions for PSTricks packages.

reotex in **graphics/pgf/contrib**
 Draw Reo channels and circuits with TikZ.

tikzpfleile in **graphics/pgf/contrib**
 Draw all math arrows with TikZ.

vocaltract in **graphics/pstricks/contrib**
 Visualization of the vocal tract.

info

Einfuehrung in **info/examples**
 Examples for the DANTE e.V. book *Einführung in L^AT_EX*.

computer-typesetting-using-latex in **info/russian**
 Extensive guide to L^AT_EX in Russian.

language

japanese-otf-uptex in **language/japanese**
 upL^AT_EX support for **japanese-otf**.

jfontmaps in **language/japanese**
 Font maps and support scripts for handling Kanji font embedding.

zhmcjk in **language/chinese**
 Set up CJK fonts dynamically via **zhmetrics**.

macros/generic

gates in **macros/generic**
 Implementing modular and customizable code.

macros/latex/contrib

aeb_mobile in **macros/latex/contrib**
 Format a PDF for a smartphone.

apa6 in **macros/latex/contrib**
 Format documents in 6th Edition APA style.

bchart in **macros/latex/contrib**
 TikZ-based bar charts.

biblerref-lds in **macros/latex/contrib**
 Extended references to the LDS scriptures.

bitelist in **macros/latex/contrib**
 Expandable splitting of token lists.

cookingsymbols in **macros/latex/contrib**
 Symbols for recipes, such as oven and dish glyphs, made with METAFONT.

copyrightbox in **macros/latex/contrib**
 Put a small amount of text near an image, possibly rotated.

diagbox in **macros/latex/contrib**
 Making table heads with diagonal lines.

documentation in **macros/latex/contrib**
 Documenting C, Java, assembler source.

droit-fr in **macros/latex/contrib**
 Tools for writing a thesis in French law.

easyfig in **macros/latex/contrib**
 Easy macro to center image with caption and label.

fixltxhyph in **macros/latex/contrib**
 Hyphenating a word with an emphasized substring.

flipbook in **macros/latex/contrib**
 Typeset flipbook animations in corners.

footnoterange in **macros/latex/contrib**
 Support references to ranges of footnotes.

macros/latex/contrib/footnoterange

fullwidth in `macros/latex/contrib`
Set left and right (and other) margins.

gamebook in `macros/latex/contrib`
Typeset gamebooks and other interactive novels.

gtrcrd in `macros/latex/contrib`
Adding chords to lyrics.

hausarbeit-jura in `macros/latex/contrib`
Writing “juristische Hausarbeiten” (legal essays) at German universities.

hletter in `macros/latex/contrib`
Produce letters with logos, scanned signatures, etc.

issuulinks in `macros/latex/contrib`
Produce documents with all links externalized.

kantlipsum in `macros/latex/contrib`
Random sentences in Kantian style.

kdgdocs in `macros/latex/contrib`
Course and thesis classes for Karel de Grote Univ. College.

lmake in `macros/latex/contrib`
Simplify writing of lists that fit a pattern.

logbox in `macros/latex/contrib`
Do `\showbox` without stopping compilation.

longnamefilelist in `macros/latex/contrib`
Align `\listfiles` output containing long names.

mattex in `macros/latex/contrib`
Macros and `.m` files to import Matlab variables.

media9 in `macros/latex/contrib`
Embed interactive Flash and many other multimedia objects in PDF output.

menukeys in `macros/latex/contrib`
Format menu sequences, paths and keystrokes.

messagebubbles in `macros/latex/contrib`
Display conversations in message bubbles.

monofill in `macros/latex/contrib`
Horizontal alignment of plain or monospaced text.

nameauth in `macros/latex/contrib`
Name authority macros for consistency and flexibility.

nicefilelist in `macros/latex/contrib`
Improvements for `\listfiles`.

parnotes in `macros/latex/contrib`
Notes after every paragraph, or elsewhere.

philosophers-imprint in `macros/latex/contrib`
Class for the *Philosophers’ Imprint* journal.

romanbar in `macros/latex/contrib`
Write Roman numbers, or other text, with bars.

sasnrdisplay in `macros/latex/contrib`
Typeset SAS or R code and output.

sepfootnotes in `macros/latex/contrib`
Support footnotes coming from a separate file.

tcolorbox in `macros/latex/contrib`
Colored and framed text boxes with header, possibly split, especially for code examples.

title in `macros/latex/contrib`
Simple headers and footers for pages and floats.

`macros/latex/contrib/fullwidth`

tui in `macros/latex/contrib`
Thesis style for the University of the Andes, Colombia.

usebib in `macros/latex/contrib`
Reusing bibliographic data.

xcookybooky in `macros/latex/contrib`
Typesetting long recipes, with pictures.

xpatch in `macros/latex/contrib`
Generalize `etoolbox`.

`macros/latex/contrib/beamer-contrib`

appendixnumberbeamer in `m/l/c/beamer-contrib`
Fix frame numbering in `beamer` with an appendix.

`macros/latex/contrib/biblatex-contrib`

biblatex-fiwi in `m/l/c/biblatex-fiwi`
`biblatex` support for German humanities citations, especially in film studies.

biblatex-luh-ipw in `m/l/c/biblatex-contrib`
`biblatex` support for Leibniz University Hannover citations.

geschichtsfkr1 in `m/l/c/geschichtsfkr1`
`biblatex` support for the history department at the University of Freiburg.

`macros/luatex`

lvdebug in `macros/luatex/latex`
Display boxes, glues, kerns and penalties in the PDF output.

`macros/plain`

happy4th in `macros/plain/contrib`
One hundred pages of fireworks.

hanoi in `macros/plain/contrib`
Solve the Towers of Hanoi (up to 15 discs), and learn about category codes.

reverxii in `macros/plain/contrib`
Playing Reversi in 938 characters.

`support`

check-parens in `support`
Check for mismatched braces, delimiters, etc.

checkcites in `support`
Detect undefined or unused references.

dosepsbin in `support`
Extract PS/WMF/TIFF from DOS EPS binary files.

texlive-dummy in `support/texlive`
Fulfill dependencies of openSUSE \TeX Live packages.

typeoutfileinfo in `support`
Display information of a \LaTeX file via `readprov`.