



The Treasure Chest

This is a list of selected new packages posted to CTAN (<http://www.ctan.org>) from October 2010 through March 2011, 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

bbold-type1 in **fonts**

Type 1 versions of the **bbold** fonts.

comfortaa in **fonts**

Support for the Comfortaa sans serif family designed by Johan Aakerlund.

***droid** in **fonts**

Support for the Droid family made for Android.

lato in **fonts**

Support for the Lato sans serif family designed by Lukasz Dziedzic.

mathstone in **fonts**

Use Adobe Stone Sans and Stone Serif for math.

ocr-b-outline in **fonts**

OCR-B fonts in Type 1 and OpenType, compatible with the existing Metafont metrics.

pcarl in **fonts**

Support for Adobe Caslon Open Face.

prodint in **macros/latex/contrib**

Product integral notation.

ptsans in **fonts**

Support for the ParaType PT Sans family.

ptserif in **fonts**

Support for the ParaType PT Serif family.

rsfso in **fonts**

Support for using **rsfs** as math calligraphic.

urwchancal in **fonts**

Support for using Zapf Chancery as a math alphabet.

verdana in **fonts**

Support for Verdana.

fonts/**bbold-type1**

graphics

pgfgantt in **graphics/pgf/contrib**

TikZ package for drawing Gantt charts.

pst-graphicx in **graphics/pstricks/contrib**

Support using L^AT_EX's **graphicx** in plain T_EX.

pst-tvz in **graphics/pstricks/contrib**

PSTricks package for drawing trees with more than one root node.

threaddice in **graphics/metapost/contrib/macros**

MetaPost package for drawing dice.

info

LaTeX-Bib in **info/examples**

Examples from the book *Bibliografien mit L^AT_EX*.

***lualatex-doc** in **info/luatex**

Guide to the world of LuaL^AT_EX, plus information about Plain LuaT_EX.

tabulars-e in **info/examples**

Examples from the book *Typesetting tables with L^AT_EX*.

language

spanglish in **language/spanish/babel/contrib**

Simplified and sloppy Spanish support (for when Babel's **spanish.ldf** fails).

macros/generic

fntproof in **macros/generic**

Font proofing as in **testfont.tex**.

navigator in **macros/generic**

PDF features across formats and engines.

systeme in **macros/generic**

Vertical alignment of systems of equations.

macros/latex/contrib

acroterm in **macros/latex/contrib**

Manage and index acronyms and terms.

adjmulticol in **macros/latex/contrib**

Adjusting margins for multi- and single-column output.

aomart in **macros/latex/contrib**

Typesetting articles for *The Annals of Mathematics*.

apa6e in **macros/latex/contrib**

Formatting according to the American Psychological Association 6th edition guidelines.

babeltools in **macros/latex/contrib**

Flexibility on top of **babel**.

bashful in **macros/latex/contrib**

Support execution of Bash scripts from within L^AT_EX.

bibleref-french in **macros/latex/contrib**

French adaptation of **bibleref**.

- bibleref-german** in `macros/latex/contrib`
German adaptation of `bibleref`.
- bibleref-parse** in `macros/latex/contrib`
Parse Bible passages given in a wide variety of human-readable formats.
- bondgraph** in `macros/latex/contrib`
Draw bond graphs using PGF/TikZ.
- booktabs-de** in `macros/latex/contrib`
German translation of the `booktabs` documentation.
- canoniclayout** in `macros/latex/contrib`
`memoir` extension for a page layout based on circles.
- catchfilebetween tags** in `macros/latex/contrib`
Extract a portion of a file between tags into a macro.
- catoptions** in `macros/latex/contrib`
Preserve and recall standard catcodes.
- chemexec** in `macros/latex/contrib`
Prepare exercise sheets with separate solutions.
- collcell** in `macros/latex/contrib`
Collect content of a tabular cell to pass to a macro.
- colourchange** in `macros/latex/contrib`
Change colors of structural elements in Beamer during a presentation.
- *cprotect** in `macros/latex/contrib`
Allow any control sequence (`\footnote`, ...) to take verbatim text in its argument.
- dfgproposal** in `macros/latex/contrib`
Proposals for the German Research Council (DFG).
- dirtytalk** in `macros/latex/contrib`
Typeset (possibly nested) quoted text.
- easy-todo** in `macros/latex/contrib`
TODO notes in the document body and as an index.
- enumitem-zref** in `macros/latex/contrib`
General references for items in `enumitem` lists.
- fileinfo** in `macros/latex/contrib`
Standalone and expandable `\GetFileInfo`.
- filemod** in `macros/latex/contrib`
Read and compare file modification times.
- finstrut** in `macros/latex/contrib`
Fix `\@finalstrut` to not produce an empty line in vertical mode.
- fldigial** in `macros/latex/contrib`
Create an AcroTeX Flash Digital Gallery.
- geometry-de** in `macros/latex/contrib`
German translation of the `geometry` documentation.
- gincitex** in `macros/latex/contrib`
Support including external L^AT_EX files as graphics.
- gmp** in `macros/latex/contrib`
Integrate MetaPost and L^AT_EX.
- gradientframe** in `macros/latex/contrib`
Produce gradient frames around objects.
- *hardwrap** in `macros/latex/contrib`
Break lines by words to a specified width.
- he-le-na** in `macros/latex/contrib`
Explicit hyphenations and shortcuts for Serbian.
- he-she** in `macros/latex/contrib`
Alternate masculine and feminine pronouns.
- *interfaces** in `macros/latex/contrib`
Key-value interface for frequently-changed settings provided by several packages.
- iwhdp** in `macros/latex/contrib`
Format discussion papers of the Halle Institute for Economic Research.
- koma-moderncvclassic** in `macros/latex/contrib`
Make `moderncv` (classic style) available for koma classes and thus compatible with `biblatex`.
- libgreek** in `macros/latex/contrib`
Libertine/Biolinum Greek in math mode.
- lpic** in `macros/latex/contrib`
Typeset L^AT_EX material over included graphics.
- mathastext** in `macros/latex/contrib`
Propagate document text font to math mode.
- morehype** in `macros/latex/contrib`
Shorthands for T_EX-related hyperlinks; improved tables of contents with `hyperref`; generating HTML with T_EX macros.
- mpgraphics** in `macros/latex/contrib`
Write MetaPost diagrams inline; process with a single run.
- msuthesis** in `macros/latex/contrib`
Typeset Michigan State University graduate theses.
- musixguit** in `macros/latex/contrib`
Simplify guitar notation with `musixtex`.
- mychemistry** in `macros/latex/contrib`
Typeset complex chemical reaction schemes.
- parselines** in `macros/latex/contrib`
Line-by-line for files or environment contents.
- physymb** in `macros/latex/contrib`
Shortcuts for physicists.
- piano** in `macros/latex/contrib`
Draw two-octave piano keyboard with up to seven selected keys highlighted.
- productbox** in `macros/latex/contrib`
Typeset a three-dimensional product box.
- pxgreek** in `macros/latex/contrib`
Select italic or upright shapes for the `pxfonts` Greek.
- randomwalk** in `macros/latex/contrib`
Draw random walks.
- rec-thy** in `macros/latex/contrib`
Typesetting recursion (computability) theory papers.
- tabu** in `macros/latex/contrib`
Flexible L^AT_EX tabulars, enhancing `tabular`, `array`, and `tabularx`.
- textgreek** in `macros/latex/contrib`
Upright greek letters as text, e.g., `\textbeta`.
- tkz-base** in `macros/latex/contrib/tkz`
Base package for easier programming with TikZ.
- tkz-euclide** in `macros/latex/contrib/tkz`
Euclidean geometry drawings with `tkz-base`.
- tkz-fct** in `macros/latex/contrib/tkz`
Graphs of functions with `tkz-base` and Gnuplot.

tucv in macros/latex/contrib

Typeset a resume or CV.

turnthepage in macros/latex/contrib

Indicate on two-sided documents to turn the page.

txgreek in macros/latex/contrib

Select italic or upright shapes for the txfonts Greek.

uothesis in macros/latex/contrib

Typeset University of Oregon theses.

uri in macros/latex/contrib

Support for DOI, XMPP, and many other types of URIs.

ytableau in macros/latex/contrib

Many-featured Young tableaux and Young diagrams.

macros/latex/contrib/beamer-contrib

beamer2thesis in m/l/c/beamer-contrib/themes

Beamer theme for thesis presentations.

nirma in m/l/c/beamer-contrib/themes

Beamer theme for academic presentations.

macros/latex/contrib/biblatex-contrib

biblatex-ieee in m/l/c/biblatex-contrib

biblatex support for the IEEE style.

macros/luatex

luaseq in macros/luatex/generic

Drawing spectral sequences in Lua^AT_EX.

luaindex in macros/luatex/latex

Index processor in Lua.

macros/xetex

fixlatvian in macros/xetex/latex

Extend polyglossia's Latvian language support.

*ucharclasses in macros/xetex/latex

Code insertion between characters from different Unicode blocks.

unisugar in macros/xetex/latex

Unicode characters used in common L^AT_EX commands, and support control sequence names with right-to-left characters.

support

purifyeps in support

Convert EPS files to a form readable to pdfT_EX, using pstoeit.

sty2dtx in support

Initialize a .dtx file from a .sty.

texdef in support

Display definition of a given (L^A)T_EX control sequence.

