



## The Treasure Chest

This is a list of selected new packages posted to CTAN (<http://ctan.org>) from May 2010 through October 2010, 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<sub>E</sub>X community. Comments are welcome, as always.

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

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### fonts

**adorn** in **fonts**  
 Ornaments font.

**adfsymbols** in **fonts**  
 Includes arrows and bullets.

**auto1** in **fonts**  
 L<sup>A</sup>T<sub>E</sub>X support for the Underware Auto 1 fonts.

**baskervaldadf** in **fonts**  
 Font family based on Baskerville.

**berenisadf** in **fonts**  
 Berenis Pro ADF.

**cm-unicode** in **fonts**  
 Computer Modern Unicode.

**electrumadf** in **fonts**  
 Slab serif font family.

**gillcm** in **fonts**  
 Unslanted italic CM fonts following Eric Gill's ideas.

**jamtimes** in **fonts**  
 Expanded Times Roman fonts with math based on Belleek.

**mdputu** in **fonts**  
 Unslanted digits in Adobe Utopia italics.

**oldstandard** in **fonts**  
 Unicode font for classical and medieval studies.

**poltawski** in **fonts**  
 Extensive font family; replaces **antp**.

**punknova** in **fonts**  
 OpenType version of Don Knuth's Punk font.

**romandeadf** in **fonts**  
 Font family somewhat based on Caslon.

**bonita** in **fonts/softmakerfreefont**  
 L<sup>A</sup>T<sub>E</sub>X support files for Softmaker Bonita.

**\*stix** in **fonts**  
 Unicode mathematics font collection.

**tfrupee** in **fonts**  
 Font with the new rupee symbol.

**xits** in **fonts**  
 STIX with additional OpenType math support.

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### graphics

**bodegraph** in **graphics/pgf/contrib**  
 Draw Bode, etc., plots with Gnuplot and TikZ.

**duotenzor** in **graphics**  
 Draw circuit and duotensor diagrams via TikZ.

**numericplots** in **graphics**  
 Plot numeric data using PSTricks.

**pst-electricfield** in **graphics/pstricks/contrib**  
 Draw electric field and equipotential lines.

**pst-magneticfield** in **graphics/pstricks/contrib**  
 Draw magnetic field lines of Helmholtz coils.

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### info

**Math-E** in **info/examples**  
 Examples from *Typesetting Mathematics with L<sup>A</sup>T<sub>E</sub>X*.

**pstricks\_calcnote** in **info**  
 Illustrates using PSTricks for calculus lecture notes.

**svg-inkscape** in **info**  
 Including SVG images in L<sup>A</sup>T<sub>E</sub>X via Inkscape.

**tex-font-errors-cheatsheet** in **info**  
 Cheat sheet for the most common T<sub>E</sub>X font errors.

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### macros/generic

**lecturer** in **macros/generic**  
 Slide support for any format.

**\*texapi** in **macros/generic**  
 Writing format-independent packages.

**yax** in **macros/generic**  
 Yet Another Key System.

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### macros/latex/contrib

**acroflex** in **macros/latex/contrib**  
 Use SWF file to create a graphing screen.

**aeb\_mlink** in **macros/latex/contrib**  
 Multi-line link support.

**annot\_pro** in **macros/latex/contrib**  
 Text, stamp, and file attachment annotations.

**arrayjobx** in **macros/latex/contrib**  
 Array data structures.

**\*cals** in **macros/latex/contrib**  
 Typeset multipage tables with headers, footers, cell spanning and decorations.

**calxxxx-yyyy** in **macros/latex/contrib**  
 Printing calendars for chosen years and languages.

**macros/latex/contrib/calxxxx-yyyy**

- chemfig** in `macros/latex/contrib`  
Draw molecules with an easy syntax.
- chextras** in `macros/latex/contrib`  
Companion package for Swiss typesetting.
- chronology** in `macros/latex/contrib`  
Horizontal timeline with day granularity.
- cntdwn** in `macros/latex/contrib`  
Support short and long countdowns, and clocks in any time zone.
- colordoc** in `macros/latex/contrib`  
Color braces in doc lists.
- cutwin** in `macros/latex/contrib`  
Create a “window” in a paragraph.
- drawstack** in `macros/latex/contrib`  
Draw execution stacks.
- drs** in `macros/latex/contrib`  
Draw Discourse Representation Structures.
- elteikthesis** in `macros/latex/contrib`  
Thesis class for ELTE University Informatics.
- equell** in `macros/latex/contrib`  
Fine exclamation, question, and ellipsis marks.
- esk** in `macros/latex/contrib`  
Encapsulate Sketch files in L<sup>A</sup>T<sub>E</sub>X source.
- fjodor** in `macros/latex/contrib`  
Layout options for small books.
- hrefhide** in `macros/latex/contrib`  
Display but do not print a hyperlink.
- imakeidx** in `macros/latex/contrib`  
Produces indices during a typesetting run.
- inputtrc** in `macros/latex/contrib`  
Tracing which file loads which.
- jmlr** in `macros/latex/contrib`  
Class for the *Journal of Machine Learning Research*.
- linegoal** in `macros/latex/contrib`  
Length remaining on the line.
- locality** in `macros/latex/contrib`  
Implementation of basic scoping.
- logreq** in `macros/latex/contrib`  
Log requests to run external files in a machine-readable format.
- marginfix** in `macros/latex/contrib`  
Patch `marginpar` routines to prevent overflowing or misalignment.
- mylatexformat** in `macros/latex/contrib`  
Dump a `.fmt` based on any preamble.
- pagesLTS** in `macros/latex/contrib`  
Define labels for last pages.
- papermas** in `macros/latex/contrib`  
Compute mass of printed form of document.
- progressbar** in `macros/latex/contrib`  
Visualize shares of a total amount as a bar.
- realscripts** in `macros/latex/contrib`  
Use OpenType features to replace `\textsuperscript` and `\textsubscript` where possible.
- rmannot** in `macros/latex/contrib`  
Rich media annotations.
- russ** in `macros/latex/contrib`  
Russian letters in T<sub>E</sub>X control sequences, Russian hyphenation, and more, independent of `babel`.
- rvwrite** in `macros/latex/contrib`  
Help for insufficient `\write` registers.
- serbianpart** in `macros/latex/contrib`  
Part numbers in Serbian.
- simplecd** in `macros/latex/contrib`  
CD/DVD covers for printing.
- skb** in `macros/latex/contrib`  
Build document repository for long-lived documents.
- keycommand** in `macros/latex/contrib`  
Create commands using parameters and keys together.
- spot** in `macros/latex/contrib/beamer-contrib`  
Spotlight highlighting for Beamer.
- suftesi** in `macros/latex/contrib`  
Typesetting theses, especially in the humanities.
- unicode-math** in `macros/latex/contrib`  
Unicode math support for X<sub>Y</sub>T<sub>E</sub>X and LuaT<sub>E</sub>X.
- undolabl** in `macros/latex/contrib`  
Override existing labels, especially automatically generated ones.
- uowthesis** in `macros/latex/contrib`  
University of Wollongong thesis class.
- yt4pdf** in `macros/latex/contrib`  
Play YouTube videos in a PDF.
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- macros/luatex**
- lualibs** in `macros/luatex/generic`  
Lua modules useful for general programming.
- luaotfload** in `macros/luatex/generic`  
OpenType support for LuaT<sub>E</sub>X (based on but outside of ConT<sub>E</sub>Xt).
- \*luatexbase** in `macros/luatex/generic`  
Basic facilities for LuaT<sub>E</sub>X macro programmers.
- luatextrace** in `macros/luatex/generic`  
User-level LuaT<sub>E</sub>X macro goodies.
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- macros/plain**
- present** in `macros/plain/contrib`  
Customizable presentations in plain T<sub>E</sub>X.
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- support**
- adobemapping** in `support`  
Collected Adobe `cmap` and `pdfmapping` files.
- dktools** in `support`  
Image-related tools and libraries.
- ltxfileinfo** in `support`  
Print information about a L<sup>A</sup>T<sub>E</sub>X package to `stdout`.
- texlog\_extract** in `support`  
Colored summary of messages from a log file.