



The Treasure Chest

This is a list of selected new packages posted to CTAN (<http://ctan.org>) from March 2013 through July 2013, with descriptions based on the announcements and edited for extreme brevity.

Entries are listed alphabetically within CTAN directories. 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_EX community. Comments are welcome, as always.

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fonts

- divine** in **fonts**
Informal calligraphic font from the T.26 foundry.
- fontawesome** in **fonts**
Font of high-quality web icons.
- ***gentium-tug** in **fonts**
Includes Type 1 as well as OTF Gentium fonts, with both L^AT_EX and ConT_EXt support.
- ***librecaslon** in **fonts**
L^AT_EX support for this revival by Pablo Impallari.
- nanumtype1** in **fonts**
Unicode font for the Korean script, in Type 1.
- newpx** in **fonts**
Revised metrics, options for (mostly) **pxfonts** glyphs.
- raleway** in **fonts**
Support for the Raleway sans serif font family.
- sansmathfonts** in **fonts**
Sans serif small caps and math for use with CM.

graphics

- pxpgfmark** in **graphics/pgf/contrib**
Make PGF's inter-picture connections work with e-pT_EX & dvipdfmx.
- spath3** in **graphics/pgf/contrib**
Manipulating TikZ soft paths, e.g., calligraphic paths and knot diagrams.
- tikz-bayesnet** in **graphics/pgf/contrib**
Bayesian networks, graphical models, factor graphs.

info

- ***detexfaq** in **info/german**
German FAQ extracted from texfragen.de.

fonts/divine

language

- greek-fontenc** in **language/greek**
Greek font encoding definition files (LGR).
- ptex2pdf** in **language/japanese**
Script to get PDF output from pT_EX-based engines.

macros/generic

- xint** in **macros/generic**
Expandable arithmetic operations.

macros/latex/contrib

- bxeepic** in **macros/latex/contrib**
Implement **eepic** via **pict2e**.
- changes** in **macros/latex/contrib**
Manually mark up textual changes.
- conseq** in **macros/latex/contrib**
Automated layout of a continued equality.
- download** in **macros/latex/contrib**
Download via **wget** or **cURL** from L^AT_EX.
- ebook** in **macros/latex/contrib**
Style for PDF e-books on small readers.
- ***esami** in **macros/latex/contrib**
Typeset exams with question types, randomization, support for several languages, and more. (<http://tug.org/TUGboat/tb34-1/tb106messineo.pdf>)
- factura** in **macros/latex/contrib**
Issue invoices in Venezuelan style.
- feupphdtheses** in **macros/latex/contrib**
Template for theses of FEUP in Portugal.
- feynmp-auto** in **macros/latex/contrib**
Automatically run MetaPost on **feynmp** output.
- horoscop** in **macros/latex/contrib**
Astrological charts for L^AT_EX.
- iitem** in **macros/latex/contrib**
Convenient writing of nested list items.
- interval** in **macros/latex/contrib**
Format math intervals with proper spacing.
- leipzig** in **macros/latex/contrib**
Typeset and index linguistic gloss abbreviations.
- lengthconvert** in **macros/latex/contrib**
Convert a given length to another unit.
- lplfitch** in **macros/latex/contrib**
Typeset natural deduction proofs in Fitch style.
- matc3,matc3mem** in **macros/latex/contrib**
Commands and a class for MatematicaC3 project textbooks.
- memory** in **macros/latex/contrib**
Declare object or array containers in L^AT_EX.
- mnotes** in **macros/latex/contrib**
Margin notes for collaborative writing.
- newenviron** in **macros/latex/contrib**
Collect and execute environment bodies.

noconflict in `macros/latex/contrib`
Resolve macro conflicts among packages.

nox in `macros/latex/contrib`
Arrays of text transformed to a variety of tables.

numberedbloc in `macros/latex/contrib`
Include and sequentially label code snippets.

pfarrei in `macros/latex/contrib`
Arrange A5 output onto A4 landscape.

pythontex in `macros/latex/contrib`
Run Python code from within L^AT_EX.

rterface in `macros/latex/contrib`
Access to R from within L^AT_EX.

skdoc in `macros/latex/contrib`
Documentation class loosely based on `ydoc`.

skmath in `macros/latex/contrib`
Enhanced math typesetting.

skrapport in `macros/latex/contrib`
Class for simple reports.

snotez in `macros/latex/contrib`
Sidenote support.

stackengine in `macros/latex/contrib`
Customizable stacking of general objects.

tabriz-thesis in `macros/latex/contrib`
X_ƎL^AT_EX class for theses at the Univ. of Tabriz.

textglos in `macros/latex/contrib`
Typeset inline linguistic examples.

thalie in `macros/latex/contrib`
Typeset dramatic plays.

titlecaps in `macros/latex/contrib`
Extended support for capitalization of initial letters, including accents, font changes, and more.

udesoftec in `macros/latex/contrib`
Template for theses at the Univ. of Duisburg-Essen.

unswcover in `macros/latex/contrib`
Thesis cover page for the Univ. of New South Wales.

uowthesistitlepage in `macros/latex/contrib`
Thesis title page for the Univ. of Wollongong.

vdmlisting in `macros/latex/contrib`
Add-on for `listings` to support VDM in ASCII.

macros/latex/contrib/babel-contrib

thai in `m/l/c/babel-contrib`
Babel support for Thai.

macros/latex/contrib/beamer-contrib

beamertheme-upenn-bc in `m/l/c/beamer-contrib`
Color themes for Boston College and the University of Pennsylvania.

bxdp-beamer in `m/l/c/beamer-contrib`
Make navigation symbols and `\framezoom` regions work with `dvipdfmx`.

macros/latex/required

***babel** in `macros/latex/required`
Specific language support now separated from the core package; new contributions welcome.

macros/luatex

enigma in `macros/luatex/generic`
Encryption at the node level with a three-rotor Enigma machine.

luabidi in `macros/luatex/latex`
Bidirectional typesetting in LuaT_EX.

selnolig in `macros/luatex/latex`
Selectively suppress ligatures.

macros/plain

expex in `macros/plain/contrib`
Typeset linguistic examples and glosses, including referencing.

macros/xetex

xevlua in `macros/xetex/generic`
Automatic insertion via X_ƎL^AT_EX of nonbreakable spaces (in, e.g., Czech).

xetexko in `macros/xetex/generic`
Typesetting of Korean, including Old Hangul.

support

classpack in **support**
XML mastering for L^AT_EX packages.

create-struktex in **support**
Java support for Nassi-Shneiderman structure charts.

intex in **support**
Aid consistent typesetting of phrases, acronyms and proper names.

latex-git-log in **support**
Generate `git` version history as L^AT_EX source.

latexindent in **support**
Perl script to indent L^AT_EX files.

try in **support**
Python script for automated compilation via source comments.

wheretotrim in **support**
Suggest where to trim text to reduce page count.

systems

parsitex in **systems**
WEB change file for localized Persian and bidirectional extension of T_EX.