



## The Treasure Chest

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

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

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### fonts

- `adobecasl` in `fonts/psfonts/adobe`  
Metric support for Adobe Caslon.
- `bguq` in `fonts`  
The Begriffsschrift quantifier character.
- `countriesofeu` in `fonts`  
Support for the Countries of Europe font.
- `imprintmtshadow` in `fonts`  
Support for the Monotype Imprint Shadow fonts.
- `lsabon` in `fonts`  
Support for the Linotype Sabon fonts.
- `minion2newtx` in `fonts`  
Add-on for `newtx`: metrics for MinionPro v2.
- \*`newtx` in `fonts`  
Improved metrics and options for `txfonts`.
- `sansmathaccent` in `fonts`  
Correct accent placement in `beamer` and `sfmath`.

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### graphics

- `hf-tikz` in `graphics/pgf/contrib`  
TikZ highlighting of formulas, in part or completely.
- `pgf-blur` in `graphics/pgf/contrib`  
TikZ support for blurred/faded/fuzzy shadows.
- `pst-ode` in `graphics/pstricks/contrib`  
PSTricks support for solving initial value problems for sets of ordinary differential equations.

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### info

- `latexfileinfo-pkgs` in `info`  
Comparison of packages for file version information.

`fonts/psfonts/adobe/adobecasl`

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### macros/generic

- `dowith` in `macros/latex/generic`  
Apply a command to elements of a list.

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### macros/latex/contrib

- `articleingud` in `macros/latex/contrib`  
Support for articles in *Ingenieria Review*.
- \*`autonum` in `macros/latex/contrib`  
Automatically number only those equations which are referenced.
- `basque-book` in `macros/latex/contrib`  
Document class for books in Basque.
- `basque-date` in `macros/latex/contrib`  
Current date in Basque, handling declination issues.
- `calculator` in `macros/latex/contrib`  
Handle algebraic operations and evaluate elementary functions and derivatives.
- `cellwise` in `macros/latex/contrib`  
Build tables cellwise with freely formatted individual cells.
- `codicefiscaleitaliano` in `macros/latex/contrib`  
Test consistency of the Italian personal fiscal code.
- `embrac` in `macros/latex/contrib`  
Upright parentheses and brackets within italic text.
- `enotez` in `macros/latex/contrib`  
Support for endnotes, possibly nested.
- `famt` in `macros/latex/contrib`  
Support for FAMT Institute reports and notices.
- `fitr` in `macros/latex/contrib`  
Support for the PDF FitR destination type.
- `fixmetodonotes` in `macros/latex/contrib`  
Highlight and manage FIXME-like notations.
- `fnpct` in `macros/latex/contrib`  
Footnote kerning.
- `footnotebackref` in `macros/latex/contrib`  
Hyperlink from a footnote to its occurrence in the main text.
- `foreign` in `macros/latex/contrib`  
Typeset foreign words in different typefaces.
- `frege` in `macros/latex/contrib`  
Support for Frege's Begriffsschrift notation.
- `GS1` in `macros/latex/contrib`  
Support for the GS1 codes and some barcodes.
- `haron-cv` in `macros/latex/contrib`  
CV class with support for a vertical timeline of experience.
- `ifthenx` in `macros/latex/contrib`  
Define conditionals such as `\isinteger`, `\isnumber`, `\fileexists`, `\classloaded`, and many others.
- `incgraph` in `macros/latex/contrib`  
Including graphics on the full paper size, including bookmarking.

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- `lastbib` in `macros/latex/contrib`  
Provide `\LastBib` for the total count of references.
- `lgrx` in `macros/latex/contrib`  
Typesetting Greek in the LGR encoding.
- `lmac` in `macros/latex/contrib`  
Including support files.
- `lstaddons` in `macros/latex/contrib`  
Add-ons for listings.
- `multienv` in `macros/latex/contrib`  
Multiple environments using a key-value syntax.
- `mwe` in `macros/latex/contrib`  
Support for creating minimal working examples.
- `mycv` in `macros/latex/contrib`  
Curriculum vitae with many layouts and decorations.
- `pgfkeyx` in `macros/latex/contrib`  
Handle active characters in `pgfkeys`, and more.
- `poetrytex` in `macros/latex/contrib`  
Typesetting anthologies of poetry.
- `python` in `macros/latex/contrib`  
Embed Python code and output in a  $\LaTeX$  document.
- \*`regexpatch` in `macros/latex/contrib`  
Generalized macro patching, based on `l3regex`.
- `shadowtext` in `macros/latex/contrib`  
Produce customizable drop shadow for text.
- `showcharinbox` in `macros/latex/contrib`  
Show characters inside a box.
- `statrep` in `macros/latex/contrib`  
Display SAS code and its results together.
- `substitutefont` in `macros/latex/contrib`  
Combine font families.
- `typeface` in `macros/latex/contrib`  
Generalized setup of default Type 1 fonts.
- `xpinyin` in `macros/latex/contrib`  
Automatically add pinyin to Chinese characters.
- `xpunctuate` in `macros/latex/contrib`  
Insert punctuation only if necessary, as with `xspace`.
- `zhnumber` in `macros/latex/contrib`  
Expandable printing of Chinese representations of numbers, using  $\LaTeX$ 3.
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- macros/latex/contrib/babel-contrib**
- `friulan` in `m/1/c/babel-contrib`  
Babel support for Friulan.
- `romansh` in `m/1/c/babel-contrib`  
Babel support for Romansh (Rumantsch Grischun).
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- macros/latex/contrib/beamer-contrib**
- `dynblocks` in `m/1/c/beamer-contrib`  
Customize aspect ratios and dimensions of blocks in a presentation.
- `hobete` in `m/1/c/beamer-contrib`  
Unofficial beamer theme for the Univ. of Hohenheim.
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- macros/latex/contrib/biblatex-contrib**
- `biblatex-bwl` in `m/1/c/biblatex-contrib`  
`biblatex` support for FU-Berlin.
- `biblatex-phys` in `m/1/c/biblatex-contrib`  
`biblatex` support for the AIP and APS styles.
- `biblatex-swiss-legal` in `m/1/c/biblatex-contrib`  
`biblatex` support for Swiss legal citation standards.
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- macros/luatex**
- `chickenize` in `macros/luatex/generic`  
Manipulate input or output tokens of any Lua $\LaTeX$  document.
- `lua-check-hyphen` in `macros/luatex/latex`  
Make it easy to spot incorrect hyphenations.
- `luatexja` in `macros/luatex/generic`  
Plain and  $\LaTeX$  2 $\epsilon$  support for typesetting Japanese with Lua $\LaTeX$ .
- `luaxml` in `macros/luatex/generic`  
Reading and serializing XML files.
- `odsfile` in `macros/luatex/latex`  
Typeset OpenDocument Spreadsheet (`.ods`) files as tables.
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- macros/xetex**
- `imscs` in `macros/xetex/latex`  
Iranian Mathematical Society proceedings support.
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- support**
- `csvtolatex` in `support`  
Visual Basic script converting CSV data to  $\LaTeX$ .
- `eitl` in `support/texlive`  
Install current  $\TeX$  Live and add-ons over the net.
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- systems**
- `bakoma-mac` in `systems/mac`  
New  $\TeX$  distribution supporting Mac OS X.