The Treasure Chest

The following is a list of selected new packages posted to CTAN (http://ctan.org) from March through October 2015, 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 TeX community. Comments are welcome, as always.

⋄ Karl Berry
tugboat (at) tug dot org

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biblio

bestpapers in biblio/bibtex/contrib
Maintain an author's list of "best papers".

bookdb in biblio/bibtex/contrib
BIBTeX style for cataloging a home library.

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fonts

academicons in fonts
Makes available 20 icons from the Academicons font.

cjk-gs-integrate in fonts/utilities
Tools to integrate CJK fonts into Ghostscript.

comicneue in fonts
Comic Neue support.

esrelation in fonts
Symbol set for describing relations per Byron Cook.

∗**imfellenglish** in fonts
IM Fell English fonts, based on original Fell types.

old-arrows in fonts
CM old-style arrows with smaller arrowheads.

sourceserifpro in fonts
Source Serif Pro support.

svrsymbols in fonts
New font with symbols for use in physics.

∗**tempora** in fonts
Greek and Cyrillic to accompany Times.

typicons in fonts
Makes available 336 icons from the Typicons font.

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graphics

blochsphere in graphics/pgf/contrib
Pseudo-3D diagrams of Bloch spheres via PGF/TikZ.

karnaughmap in graphics/pgf/contrib
Karnaugh maps via PGF/TikZ.

mcf2graph in graphics/mcf2graph
Chemical structure diagrams with Metafont/MetaPost.

roundrect in graphics/metapost/contrib/macros
Configurable rounded rectangles in MetaPost, with optional text.

shapes in graphics/metapost/contrib/macros
Polygons, reentrant stars, and fractions in circles with MetaPost.

xebaposter in graphics/pgf/contrib
Scientific posters for xepersian using PGF/TikZ.

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info

greekinfo3 in info/greek
"Twenty-five years of Greek TeXing": Overview of systems, packages, and fonts for Greek TeX.

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language

arabi-add in language/arabic
Support for hyperref and bookmark with Arabic and Farsi.

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macros/generic

termmenu in macros/generic
Support for terminal-based menus using expl3.

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macros/latex/contrib

alertmessage in macros/latex/contrib
Display alert messages (informational, warning, etc.).

bewerbung in macros/latex/contrib
Typeset a job application.

br-lex in macros/latex/contrib
Typeset Brazilian legal texts.

bxpdfver in macros/latex/contrib
Specify output PDF version and compression level.

cfr-initials in macros/latex/contrib
Templates for use of initials package.

∗**checklistings** in macros/latex/contrib
Pass verbatim contents through a compiler and reincorporate the resulting output.

cleanthesis in macros/latex/contrib
Clean, simple thesis style.

cntperchap in macros/latex/contrib
Store counter values per chapter.

colorspace in macros/latex/contrib
PDF color spaces for spot colors and overprinting.

copyedit in macros/latex/contrib
Copyediting support for LaTeX documents.

denisbdoc in macros/latex/contrib
Denis Bitouzé's documentation support package.

diadia in macros/latex/contrib
Diabetes diary.

dynamicnumber in macros/latex/contrib
Dynamically typeset numbers and values.

easyreview in macros/latex/contrib
Support reviews and editorial tasks.

elements in macros/latex/contrib
Properties of chemical elements (article in this issue).

elocalloc in macros/latex/contrib
>   Local allocation macros (per `etex.sty`) for
>   LaTeX 2015.

exercises in macros/latex/contrib
>   Typeset exercises and solutions, with automatic
>   addition of points.

fcavtex in macros/latex/contrib
>   Thesis class for FCAV/UNESP, Brazil.

fitbox in macros/latex/contrib
>   Fit graphics on a page.

fithesis in macros/latex/contrib
>   Thesis support for Masaryk University, Czech.

gradstudentresume in macros/latex/contrib
>   Template for graduate student resumes. (See article
>   in this issue.)

gzt in macros/latex/contrib
>   Support for *La Gazette des Mathématiciens*.

hang in macros/latex/contrib
>   Environments for hanging paragraphs and list items.

lstbayes in macros/latex/contrib
>   `listings` language driver for Bayesian modeling
>   lamguages: BUGS, JAGS, Stan.

medstarbeamer in macros/latex/contrib
>   Beamer template for MedStar health presentations.

multiaudience in macros/latex/contrib
>   Generate audience-specific versions of one document.

nevelok in macros/latex/contrib
>   Automatic definite articles for Hungarian.

nmbib in macros/latex/contrib
>   Successor to `multibibliography` for multiple
>   bibliographies with different sort orders.

numending in macros/latex/contrib
>   Morphological end of units for East Slavic languages.

pdfpagediff in macros/latex/contrib
>   Find differences between two PDF documents.

proofread in macros/latex/contrib
>   Commands for inserting annotations.

recipebook in macros/latex/contrib
>   Typeset $5.5'' \times 8''$ recipes for browsing or printing.

reledmac in macros/latex/contrib
>   Successor to `eledmac`/`eledpar` for critical editions.

rmathbr in macros/latex/contrib
>   Repetition of operator at a line break within an
>   inline equation.

screenplay-pkg in macros/latex/contrib
>   Package version of the `screenplay` class.

semproc in macros/latex/contrib
>   Seminar proceedings based on KOMA-Script.

shdoc in macros/latex/contrib
>   Float environment to document a terminal session.

tagpair in macros/latex/contrib
>   Word-by-word glosses, translations, and bibliographic
>   attributions.

uassign in macros/latex/contrib
>   Typeset class assignments.

ucharcat in macros/latex/contrib
>   Lua implementation of the (new in 2015) XeTeX
>   \Ucharcat primitive, for LuaTeX.

whuthesis in macros/latex/contrib
>   Thesis template for Wuhan Univ. undergraduates.

xellipsis in macros/latex/contrib
>   Configurable ellipses with predefined formats for
>   common styles.

xpiano in macros/latex/contrib
>   Extension of the `piano` package.

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macros/latex/contrib/beamer-contrib

fibeamer in m/l/c/beamer-contrib
>   Beamer theme for thesis defense presentations at
>   Masaryk University, Czech.

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macros/latex/contrib/biblatex-contrib

archaeologie in m/l/c/biblatex-contrib
>   Citation style for the German Archaeology Institute.

biblatex-opcit-booktitle in m/l/c/biblatex-contrib
>   Support for 'op. cit.' in the booktitle of a subentry.

biblatex-subseries in m/l/c/biblatex-contrib
>   Manage subseries with BibLaTeX.

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macros/luatex

cloze in macros/luatex/latex
>   Create cloze reading comprehension texts.

ctablestack in macros/luatex/generic
>   Category code table stacks.

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macros/plain

gfnotation in macros/plain/contrib
>   Typeset Frege notation (see article in this issue).

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macros/xetex

bidihl in macros/xetex/latex
>   Experimental bidi-aware text highlighting.

quran in macros/xetex/latex
>   Typeset the whole or a part of the Qur'an.

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support

autosp in support
>   Preprocessor to generate note-spacing commands
>   for MusiXTeX scores.

∗ bibtexperllibs in support
>   BibTeX (pure) Perl libraries from CPAN.

comment_io in support
>   Python script to (un)comment lines.

∗ make4ht in support
>   Simplified build system (includes library) for `tex4ht`.

pdbf-toolkit in support
>   Toolkit for creating Janiform data documents.

pdfbook2 in support
>   Create booklets from PDF files, in Python.

srcredact in support
>   Support a master source with output for different
>   audiences. (See article in *TUGboat* 36:2.)

tex4ebook in support
>   Convert to ebook formats from LaTeX, using `tex4ht`.