The Treasure Chest

This is a list of selected new packages posted to CTAN (http://ctan.org) from March through September 2014, 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'd especially like to point out the welcome proliferation of font packages. A wide variety of fonts are available to (LA)TEX users nowadays, almost all usable with any TEX engine. We recommend the DK-TUG Font Catalogue (http://www.tug.dk/FontCatalogue) for exploration.

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
http://tug.org/ctan.html

---

fonts

almfixed in fonts
Arabic Unicode extending Latin Modern Mono.

* baskervaldx in fonts
Greatly extended and modified BaskervaldADF.

caladea in fonts
Caladea fonts.

calibri in fonts
Carlito sans serif fonts.

cinzel in fonts
Cinzel and Cinzel Decorative fonts.

clearsans in fonts
Clear Sans fonts.

dantelogo in fonts
Using the DANTE e.V. logo.

drm in fonts
Revised modern meta-font.

ebgaramond-maths in fonts
LATEX support for using EBGaramond in math.

erewhon in fonts
Extends Heuristica which extends Utopia.

fira in fonts
Fira fonts, designed for Firefox.

heuristica in fonts
Heuristica fonts, extending Utopia with Cyrillic.

newtxtt in fonts
Enhancement of typewriter fonts from newtx.

obnov in fonts
Obyknovennaya Novaya Cyrillic font.
(See article in this issue.)

parisa in fonts
Persian fonts derived from FarsiTEX et al.

playfair in fonts
Playfair Display fonts.

ptmsc in fonts
Use proprietary Adobe TimesSC with newtx.

roboto in fonts
Roboto fonts.

* universalis in fonts
Universalis fonts, alternatives to Univers and Frutiger.

---

graphics

asypictureb in graphics
User-friendly integration of Asymptote into LATEX.

blox in graphics/pgf/contrib
Draw block diagrams.

dsptricks in graphics/pstricks/contrib
Digital signal processing plots.

interactiveplot in graphics
Creating interactive 2D/3D functions inside a PDF.

pst-spirograph in graphics/pstricks/contrib
Simulate operation of a spirograph.

qcircuit in graphics
Macros to generate quantum circuits.

---

info

latexsource-ng in info
Introduction to LATEX, with setup information.

---

language

dad in language/arabic
Typesetting Arabic and mixed Arabic/Latin.
(See article in this issue.)

---

macros/generic

bagpipe in macros/generic
Typesetting bagpipe music.

docbytex in macros/generic
Creating documentation from source code.

lpform in macros/generic
Linear programming formulations.

tracklang in macros/generic
Determining user-requested languages.

---

macros/latex/contrib

afparticle in macros/latex/contrib
Typeset articles for the open access journal
Archives of Forensic Psychology.

assoccnt in macros/latex/contrib
Advancing many counters simultaneously.

bangorcsthesis in macros/latex/contrib
Thesis class for Bangor University.

bnumexpr in macros/latex/contrib
Extends eTEX's \numexpr to big integers.

clrscode3e in macros/latex/contrib
Typeset pseudo-code as in *Introduction to Algorithms*.

dithesis in macros/latex/contrib
     Undergraduate theses at the University of Athens.
doctools in macros/latex/contrib
     Tools for documentation of LATEX code.
efbox in macros/latex/contrib
     Enhanced inline box with optional frames and colors.
environ in macros/latex/contrib
     New interface for LATEX environments.
fifo-stack in macros/latex/contrib
     FIFO and stack implementations.
fullminipage in macros/latex/contrib
     Minipage spanning a complete page.
getmap in macros/latex/contrib
     Downloading OpenStreetMap maps.
gitinfo2 in macros/latex/contrib
     Use metadata from git repositories in LATEX.
graphbox in macros/latex/contrib
     Provide more options for placement of graphics.
grundgesetze in macros/latex/contrib
     Typeset Frege's *Grundgesetze der Arithmetik*.
handout in macros/latex/contrib
     Handout for audiences at a talk.
komacv in macros/latex/contrib
     Typeset CV with various style options.
∗l3build in macros/latex/contrib
     Test and build system for (LA)TEX.
labyrinth in macros/latex/contrib
     Drawing labyrinths and related.
lastpackage in macros/latex/contrib
     Defines last point where packages can be loaded.
∗latexdemo in macros/latex/contrib
     Demonstrate LATEX code with resulting output.
logicproof in macros/latex/contrib
     Box proofs for propositional and predicate logic.
longfigure in macros/latex/contrib
     Figure-like environment that breaks over pages.
matlab-prettifier in macros/latex/contrib
     Pretty-print Matlab source code.
mugsthesis in macros/latex/contrib
     Marquette University Graduate School theses.
listlbls in macros/latex/contrib
     List of all labels used in a document.
pressrelease in macros/latex/contrib
     Class for typesetting press releases.
pygmentex in macros/latex/contrib
     Typeset code listings using Pygments.
qrcode in macros/latex/contrib
     Generate QR codes.
repltext in macros/latex/contrib
     Control text copied from a PDF.
sclang-prettifier in macros/latex/contrib
     Pretty-print SuperCollider source code.
sphdthesis in macros/latex/contrib
     Theses at National University of Singpore.
sympytexpackage in macros/latex/contrib
     Support for sympy (Symbolic Python) expressions.
tablestyles in macros/latex/contrib
     Separation of text and style in tables.

templatetools in macros/latex/contrib
     Conditionals helpful in templates.
testhyphens in macros/latex/contrib
     Testing hyphenation patterns.
tudscr in macros/latex/contrib
     Technische Universität Dresden documents.
ucbthesis in macros/latex/contrib
     UC Berkeley thesis class, based on memoir.
yathesis in macros/latex/contrib
     Writing a thesis following French rules.

macros/latex/contrib/babel-contrib
latvian in m/l/c/babel-contrib
     Babel support for Latvian.

macros/latex/contrib/beamer-contrib
themes/beamerdarkthemes in m/l/c/beamer-contrib
     Bundle of dark color (black background) themes.

macros/latex/contrib/biblatex-contrib
biblatex-anonymous in m/l/c/b-c
     Managing anonymous works.
biblatex-bookinarticle in m/l/c/b-c
     New entry type @bookinarticle.
biblatex-multiple-dm in m/l/c/b-c
     Load multiple datamodels in biblatex.
biblatex-realauthor in m/l/c/b-c
     Indicate real author of a work.
biblatex-true-citepages-omit in m/l/c/b-c
     Avoid limitations of standard citepages=omit option.

macros/luatex
luatodonotes in macros/luatex/latex
     Add editing annotations in margins.
placeat in macros/luatex/latex
     Absolute content positioning for LuaLATEX.

macros/xetex
bidi-atbegshi in macros/xetex/latex
     Bidi-aware shipout macros.
bidicontour in macros/xetex/latex
     Bidi-aware version of contour.
bidipagegrid in macros/xetex/latex
     Bidi-aware version of pagegrid.
bidipresentation in macros/xetex/latex
     Bidi-aware presentations.
bidishadowtext in macros/xetex/latex
     Typesetting bidi-aware shadow text.

support
texlive-dummy in support
     Dummy RPM to satisfy package requirements.

systems
hktex in systems/android
     TEXish formula parsing software for Android.