The Treasure Chest

This is a list of selected new packages posted to CTAN (http://ctan.org) from April–July 2011, 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 TEX community. Comments are welcome, as always.

⋄ Karl Berry
http://tug.org/ctan.html

biblio

vak in biblio/bibtex/contrib
Bibliography support for Russian standards.

fonts

boondox in fonts
Math alphabets derived from the STIX fonts.

cantarell in fonts
A contemporary humanist sans serif.

dutchcal in fonts
Reworking of the calligraphic math font ESSTIX13, adding bold.

esstix in fonts
Precursor to STIX with some novel features.

fdsymbol in fonts
Math symbol font designed as a companion to Fedra.

* mathalfa in fonts
Support for loading many math script, blackboard bold, etc., alphabets.

graphics

grafcet in graphics/pgf/contrib
Sequential functional chart in PGF.

pst-layout in graphics/pstricks/contrib
Typesetting quasi-tabular material such as menu pages, music programs, business cards, etc.

pst-rubans2 in graphics/pstricks/contrib
Drawing three-dimensional tapes.

info

latex4wp-it in info
Italian translation of latex4wp.

lshort-czech in info
New Czech translation of lshort.

* macros2e in info
Unofficial list of internal macros to LATEX 2ε which can be useful to package authors.

language

serbian-apostrophe in serbian
Typeset Serbian words with an apostrophe.

macros/generic

upca in macros/generic
Printing UPC-A barcodes.

macros/latex/contrib

cascadilla in macros/latex/contrib
Typesetting conforming to the style sheet of the Cascadilla Proceedings Project.

chemmacros in macros/latex/contrib
Convenient typesetting of chemistry documents.

chemnum in macros/latex/contrib
Numbering of chemical compounds.

chet in macros/latex/contrib
Make TEXing faster, inspired by harvmac.

cmpj in macros/latex/contrib
Support for the *Condensed Matter Physics* journal.

collectbox in macros/latex/contrib
Robustly process an argument as a horizontal box.

decorule in macros/latex/contrib
Decorative swelled rule using a standard font symbol.

ifnextok in macros/latex/contrib
Customizing \@ifnextchar's space skipping; handling \\ followed by printed brackets.

jvlisting in macros/latex/contrib
Allow indentation and customization of verbatim environments.

* l3experimental in macros/latex/contrib
Code intended mainly for testing by interested users. Over time, this material may move to one of the following two divisions.

* l3kernel in macros/latex/contrib
Code which will be present in a LATEX3 kernel in its current form; replaces expl3.

* l3packages in macros/latex/contrib
Code which is broadly 'stable', and which adds new functionality to LATEX 2ε. This material may be present in a LATEX3 kernel, but the interfaces may change.

ltxkeys in `macros/latex/contrib`
    Defining and managing keyword-value interfaces.

moreenum in `macros/latex/contrib`
    Greek, hex, and other enumeration styles.

morewrites in `macros/latex/contrib`
    Hooks on `\immediate`, `\openout`, `\write`, `\closeout` to avoid limiting the number of write streams.

nuc in `macros/latex/contrib`
    Automatic notation for nuclear isotopes.

othelloboard in `macros/latex/contrib`
    Creating annotated Othello board diagrams.

regstats in `macros/latex/contrib`
    Usage of TeX registers (count, dimen, etc.).

sapthesis in `macros/latex/contrib`
    Style for theses at Sapienza — University of Rome.

schwalbe-chess in `macros/latex/contrib`
    Typesetting the German chess problem magazine *Die Schwalbe*.

serbian-lig in `macros/latex/contrib`
    Explicit list of Serbian words with ligatures disabled.

sitem in `macros/latex/contrib`
    Save optional arguments to `\item` in a box.

srbook-mem in `macros/latex/contrib`
    Serbian section numbering for `memoir`.

temlines in `macros/latex/contrib`
    Emulate the old `\emlines` from TeXcad and emTeX.

thumbs in `macros/latex/contrib`
    Creating customizable thumb indexes.

uafthesis in `macros/latex/contrib`
    The Official Unofficial document class for theses at the University of Alaska Fairbanks.

unamthesis in `macros/latex/contrib`
    Style for Universidad Nacional Autónoma de México theses, both graduate and undergraduate.

xhfill in `macros/latex/contrib`
    Modifying width and color of `\hrulefill`.

macros/latex/contrib/babel-contrib

serbianc in `m/l/c/babel-contrib`
    Serbian Cyrillic support for Babel.

serbian-date in `m/l/c/babel-contrib`
    Replace `\date` for Serbian (Latin).

macros/latex/contrib/beamer-contrib

beamersubframe in `m/l/c/beamer-contrib`
    Embed frames with details without reordering source.

macros/latex/contrib/biblatex-contrib

biblatex-juradiss in `m/l/c/biblatex-contrib`
    `biblatex` support for German law theses.

uni-wtal-ger in `m/l/c/biblatex-contrib`
    `biblatex` support for literary studies at Bergische Universität Wuppertal.

macros/luatex

∗ **interpreter** in `macros/luatex/generic`
    Preprocess input files without an external program.

luabibentry in `macros/luatex/latex`
    Repeating bibliographic entries in the document, like `bibentry` for LaTeX.

lualatex-math in `macros/luatex/latex`
    Fixes for math-related LuaLaTeX issues.

macros/plain

getoptk in `macros/plain/contrib`
    Defining new macros with the keyword-based `\hrule` interface style.

macros/xetex

fontbook in `macros/xetex/latex`
    Generate a font book.

kannada in `macros/xetex/latex/polyglossia-contrib`
    Kannada support for Polyglossia.

support

ant-worker-tasks in `support`
    Apache Ant tasks for document creation, PDF manipulation, etc.

systems

lualatex-platform in `systems/luatex/contrib`
    Extension module for platform-specific code.

mactex in `systems/mac`
    MacTeX 2011.

protext in `systems/win32`
    ProTeXt 3.0 for 2011.

texlive in `systems`
    TeX Live 2011.