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

---

**The Treasure Chest**

---

---

### 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.

fдымbl в 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.

---

---

### language

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

---

### macros/generic

upca in macros/generic
Printing UPC-A barcodes.

---

### macros/latex/contrib

casca дilla 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 \TeX\-Xing 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.

ifnextrok 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 \TeX\-X3 kernel in its current form; replaces expl3.

**l3packages in macros/latex/contrib**
Code which is broadly 'stable', and which adds new functionality to \TeX\-X2. This material may be present in a \TeX\-X3 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.
morerewrites 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.
otherlloboard 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.
schalbe-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 \TeX\cad and em\TeX\.
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.
unanthesis 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/bibtex-contrib
biblatex-juradiss in m/l/c/bibtex-contrib
   biblatex support for German law theses.
uni-wtal-ger in m/l/c/bibtex-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 L\aTeX\ 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
   Mac\TeX\ 2011.
protext in systems/win32
   Pro\TeX\ 3.0 for 2011.
texlive in systems
   \TeX\ Live 2011.