



The Treasure Chest

These are the new packages posted to CTAN (ctan.org) from April–October 2024. Descriptions are based on the announcements and edited for extreme brevity.

Entries are listed alphabetically within CTAN directories. More information about any package can be found at ctan.org/pkg/pkgname.

- ◊ Karl Berry
<https://tug.org/TUGboat/Chest>
<https://ctan.org/topic>

fonts

- bonum-otf** in **fonts**
Support for the OpenType font Bonum.
- cascadiamono-otf** in **fonts**
Support for the OpenType font CascadiaMono (with CascadiaCode `fontspec` config files).
- cyrillic-modern** in **fonts/cyrillic**
Cyrillic fonts based on Computer Modern, in Type 1 and OpenType.
- gelasiomath** in **fonts**
Math and small caps for the Gelasio fonts.
- lete-sans-math** in **fonts**
Lato-based OpenType math font for Lua \TeX and X \LaTeX .
- luwiantype** in **fonts**
Typesetting package for Hieroglyphic Luwian.
- mfb-oldstyle** in **fonts**
A serif font family for body text, based on Morris Fuller Benton's Century Oldstyle.
- ruscap** in **fonts**
A Metafont for rustic capitals. (See article in *TUGboat* 44:2.)

fonts/utilities

- fontscripts** in **fonts/utilities**
Font encodings, metrics and Lua script fragments for font creation.

graphics

- latexscreenshooter** in **graphics**
Capture screenshots within \LaTeX documents.

graphics/metapost/contrib/macros

- mp-geom2d** in **graphics/metapost/contrib/macros**
Flat geometry with MetaPost.
- mpkivi** in **graphics/metapost/contrib/macros**
MetaPost package to draw Kivi diagrams.

graphics/pgf/contrib

- aiplans** in **graphics/pgf/contrib**
TikZ-based library for drawing POCL plans.

- polyomino** in **graphics/pgf/contrib**
Polyominoes using TikZ and \LaTeX 3.
- pgfplotsthemebeamer** in **graphics/pgf/contrib**
Use colours from the current beamer theme in `pgfplots`.
- tikz-decofonts** in **graphics/pgf/contrib**
Simple decoration fonts for short texts.
- tkz-grapheur** in **graphics/pgf/contrib**
Tools for graph plotting and TikZ.

help

- faq-fr-gutenberg** in **help**
Sources of the GUTenberg French \LaTeX FAQ available at faq.gutenberg-asso.fr.
- wrapstuff-doc-en** in **help**
`wrapstuff` package documentation in English.

info

- asy-overview** in **info**
Overview of the Asymptote language for drawing mathematical graphics.
- wrapstuff-doc-en** in **info**
`wrapstuff` package documentation in English.

macros/latex/contrib

- bib2qr** in **macros/latex/contrib**
Cite Bib \TeX entries with QR codes.
- catppuccinpalette** in **macros/latex/contrib**
Provides (x)colors of the catppuccin theme: four pastel color palettes.
- csth** in **macros/latex/contrib**
Customized theorem environments for computer science documents.
- colorblind** in **macros/latex/contrib**
Easy colorblind-safe typesetting. (See article in *TUGboat* 45:2.)
- commalists-tools** in **macros/latex/contrib**
Operate on comma-separated numeral lists.
- doibanner** in **macros/latex/contrib**
Generate DOI banners and links.
- edmaths** in **macros/latex/contrib**
Report and thesis class for the University of Edinburgh.
- ensps-colorscheme** in **macros/latex/contrib**
Color palette and styling of ENS Paris-Saclay.
- enverb** in **macros/latex/contrib**
Read and/or process an environment verbatim.
- euromoney** in **macros/latex/contrib**
Vector coins and banknotes in euro, with stacking option.
- exercisesheets** in **macros/latex/contrib**
Typeset exercise sheets for classes.
- ezedits** in **macros/latex/contrib**
Tracking document changes and notes.
- fillwith** in **macros/latex/contrib**
Fill vertical space with solid or dotted lines.

macros/latex/contrib/fillwith

framedsyntax in `macros/latex/contrib`
Typeset syntax of commands and environments within coloured boxes.

hebdomon in `macros/latex/contrib`
Generic class for university report writing.

hyppcap in `macros/latex/contrib`
Adjusting anchors of captions (from oberdiek).

interlinear in `macros/latex/contrib`
Customizable interlinear glossed texts.

keytheorems in `macros/latex/contrib`
An l3keys interface to `amsthm`.

linearregression in `macros/latex/contrib`
Calculate and display linear regressions.

lscapenanced in `macros/latex/contrib`
Extend the `lscap` and `pdfscape` packages.

mathgreeks in `macros/latex/contrib`
Use Greek fonts in math mode.

moremath in `macros/latex/contrib`
Additional commands for typesetting maths.

numbersets in `macros/latex/contrib`
Display number sets with customizable typefaces.

passopt in `macros/latex/contrib`
Passing options to packages or classes.

randintlist in `macros/latex/contrib`
Random integer number lists, with repeating and sorting options.

rigidnotation in `macros/latex/contrib`
Typeset vectors and matrices following the RIGID notation.

rpgicons in `macros/latex/contrib`
Icons for notes on tabletop role-playing games.

rub-kunstgeschichte in `macros/latex/contrib`
Class for the art history institute at Ruhr University Bochum.

scrhack in `macros/latex/contrib`
Compatibility package to emulate the former KOMA-Script package.

skillicons in `macros/latex/contrib`
Integrate skill icons into your documents.

spelatex in `macros/latex/contrib`
Create PDFs with hyperlinks to audio fragments.

standardsectioning in `macros/latex/contrib`
Define sectioning commands identical to the standard classes, originally for KOMA-Script.

suanpan-13 in `macros/latex/contrib`
Traditional Chinese 7-bids suanpan (abacus) package based on `l3draw`.

synthslant in `macros/latex/contrib`
Synthetically slant text.

telprint in `macros/latex/contrib`
Format German phone numbers (from oberdiek).

tiet-question-paper in `macros/latex/contrib`
Create exams for TIET, India.

typog in `macros/latex/contrib`
Typographic fine-tuning and micro-typographic enhancements.

ximera in `macros/latex/contrib`
Write online interactive content in L^AT_EX.

xint-regression in `macros/latex/contrib`
Classical regressions with `xint`.

xreview in `macros/latex/contrib`
Reviewing L^AT_EX documents made easier.

zugferd in `macros/latex/contrib`
ZUGFeRD and Faktur-X invoicing using L^AT_EX.

`m/l/c/beamer-contrib/themes`

beamertheme-edmaths in `m/l/c/b-c/themes`
Beamer theme for the University of Edinburgh.

beamertheme-gotham in `m/l/c/b-c/themes`
Versatile theme based on Metropolis.

`macros/latex-dev/required`

l3backend-dev in `macros/latex-dev/required`

l3kernel-dev in `macros/latex-dev/required`
Candidate releases of `l3kernel` and `l3backend`, used with `latex-dev`.

`macros/luatex/latex`

domaincoloring in `macros/luatex/latex`
Colored representations of complex functions.

luamml in `macros/luatex/latex`
Automatically generate MathML from LuaL^AT_EX math mode material.

semesterplannerlua in `macros/luatex/latex`
Draw timetables and other organizational matters useful for planning a semester.

tango in `macros/luatex/latex`
Class for math teachers.

`macros/plain/contrib`

ifis-macros in `macros/plain/contrib`
Check if a given input string is a valid number or dimension for T_EX. (See articles in *TUGboat* 45:1.)

`macros/unicodetex/latex`

nxthesis in `macros/unicodetex/latex`
Thesis template for Ningxia University.

udiss in `macros/unicodetex/latex`
L^AT_EX bundle for typesetting dissertations.

`macros/xetex/latex`

hdthesis in `macros/xetex/latex`
Thesis template for Hangzhou Dianzi University.

quran-es in `macros/xetex/latex`
Spanish translation extension to `quran`.