



The Treasure Chest

These are the new packages posted to CTAN (ctan.org) from April–October 2023. 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>

biblio

biber-linux-aarch64 in **biblio/biber**
 Biber binaries for the **linux-aarch64** platform.

fonts

arsenal in **fonts**
 Semi-grotesque award-winning font Arsenal.

culmus in **fonts**
 Hebrew fonts from the Culmus project.

inconsolata-nerd-font in **fonts**
 Support for the Inconsolata Nerd Font.

khatalmaqala in **fonts**
 An Arabic font especially for scientific texts.

metsymb in **fonts**
 Provide (vector) meteorological symbols.

parsimatnparsimatn in **fonts**
 Contemporary Persian font for scientific and formal writing.

parsinevis in **fonts**
 Adaptation of SIL Scheherazade New for Persian typesetting and scientific writing.

rit-fonts in **fonts**
 Malayalam font family from the Rachana Institute of Typography.

graphics/metapost/contrib/macros

huffman in **graphics/metapost/c/huffman**
 Draw binary Huffman trees; based on **metaobj**.

wordcloud in **graphics/metapost/c/wordcloud**
 Draw wordclouds with MetaPost and Lua.

graphics/pgf/contrib

circularglyphs in **graphics/pgf/contrib**
 Circular glyph alphabet.

papiergurvan in **graphics/pgf/contrib**
 Commands to work with Gurvan paper sheets.

graphics/pgf/contrib/papiergurvan

doi.org/10.47397/tb/44-3/tb138chest

playcards in `graphics/pgf/contrib`
 TikZ template for drawing playing cards.

profsio in `graphics/pgf/contrib`
 Work with French BTS SIO math concepts.

quiver in `graphics/pgf/contrib`
 Draw commutative diagrams exported from `q.uiver.app`.

rouequestions in `graphics/pgf/contrib`
 Draw a “question wheel” with answers inside.

string-diagrams in `graphics/pgf/contrib`
 Create string diagrams.

tikz-osci in `graphics/pgf/contrib`
 Draw oscilloscope screen captures.

tikz2d-fr in `graphics/pgf/contrib`
 Work with some 2D TikZ commands.

tikz3d-fr in `graphics/pgf/contrib`
 Work with some 3D figures.

tilings in `graphics/pgf/contrib`
 Tiles and tilings; updates and extends `penrose`.

tkz-bernoulli in `graphics/pgf/contrib`
 Draw Bernoulli trees with TikZ.

tkz-elements in `graphics/pgf/contrib`
 Lua library for drawing Euclidean geometry.

wordle in `graphics/pgf/contrib`
 Create wordle grids.

info

antique-spanish-units in `info/spanish`
 Short description of units used in Spain et al.
 from the 16th to 19th centuries.

macros/generic

advice in `macros/generic`
 Extend commands and environments.

collargs in `macros/generic`
 Collect arguments of any command.

etoolbox-generic in `macros/generic`
 Loader for `etoolbox` in non- \LaTeX formats.

memoize in `macros/generic`
 Externalization of graphics and memoization
 of compilation results in general; supports all
 major engines and formats.

macros/latex/contrib

beautybook in `macros/latex/contrib`
 Template for math and science books, with
 both Chinese and English versions.

cahierprof in `macros/latex/contrib`
 Schedule and grade books for French teachers.

codedescribe in `macros/latex/contrib`
 Describe document- and class-level commands.

couleurs-fr in `macros/latex/contrib`
 French color names.

counterz in `macros/latex/contrib`
 Stealth prefixes, and random counters.

creationboites in `macros/latex/contrib`
 Creating and customizing `tcolorbox` boxes.

curriculum-vitae in `macros/latex/contrib`
 Lightweight class for CVs.

customenvs in `macros/latex/contrib`
 Multiple choice, list with chosen items, other
 custom environments.

defoldfonts in `macros/latex/contrib`
 Define old font commands.

examz in `macros/latex/contrib`
 Randomized exams with multiple versions.

expex-glossonly in `macros/latex/contrib`
 Help `gb4e` and `linguex` users use the `expex`
 glossing macros.

fail-fast in `macros/latex/contrib`
 Turn all warnings into errors.

fitch in `macros/latex/contrib`
 \LaTeX macros for Fitch-style natural deduction.

floatbytocbasic in `macros/latex/contrib`
 Enhancements for `float` from `tocbasic`.

floatrowbytocbasic in `macros/latex/contrib`
 Enhancements for `floatrow` from `tocbasic`.

glossaries-norsk in `macros/latex/contrib`
 Norsk Bokmål language module for `glossaries`.

hebrew-fonts in `macros/latex/contrib`
 Input encodings, font encodings and font
 definition files for Hebrew.

hep-graphic in `macros/latex/contrib`
 Extensions for graphics, plots and Feynman
 graphs in high energy physics.

highlightx in `macros/latex/contrib`
 Handwriting effects in formulas or paragraphs.

homework in `macros/latex/contrib`
 Class for homework, with multilingual support.

isosafety in `macros/latex/contrib`
 ISO signs and colors according to standards
 7010 and 3864.

isphysicalmath in `macros/latex/contrib`
 Write math formulas following scientific notation.

iwonamath in `macros/latex/contrib`
 \LaTeX support for scaled Iwona math fonts.

joinbox in `macros/latex/contrib`
 Join boxes vertically or horizontally.

journ in `macros/latex/contrib`
 Template for journal rebuttal letters.

logoetalab in `macros/latex/contrib`
 Insert the “Licence Ouverte Etalab 2.0” logo.

<code>mitthesis</code> in <code>macros/latex/contrib</code> L ^A T _E X template for MIT theses.	<hr/> m/l/c/beamer-contrib/themes
<code>movement-arrows</code> in <code>macros/latex/contrib</code> Draw movement arrows on linguistic example sentences.	<code>beamertheme-rainbow</code> in <code>m/l/c/b-c/themes</code> Alternate theme colors between frames.
<code>newfloat</code> in <code>macros/latex/contrib</code> Define new floating environments.	<hr/> macros/luatex/generic
<code>non-decimal-units</code> in <code>macros/latex/contrib</code> Support for historical non-decimal units.	<code>addtoluatexpath</code> in <code>macros/luatex/generic</code> Add to search paths for Lua packages and T _E X input files.
<code>oststud</code> in <code>macros/latex/contrib</code> Templates for the student organization at OST FH, Switzerland.	<code>opbible</code> in <code>macros/luatex/generic</code> Create a study Bible with OpT _E X.
<code>panneauxroute</code> in <code>macros/latex/contrib</code> Display French road signs (vector graphics).	<code>penlightplus</code> in <code>macros/luatex/generic</code> Additions to the Penlight Lua libraries.
<code>postit</code> in <code>macros/latex/contrib</code> Display Post-it notes.	<hr/> macros/luatex/latex
<code>profmaquette</code> in <code>macros/latex/contrib</code> Use exercises in various documents, for French math teachers.	<code>luahttp</code> in <code>macros/luatex/latex</code> Insert interactive web features into PDF output from LuaL ^A T _E X.
<code>ptlatexcommands</code> in <code>macros/latex/contrib</code> L ^A T _E X commands in Portuguese.	<code>luanumint</code> in <code>macros/luatex/latex</code> Numerical integration using Lua, inside L ^A T _E X documents.
<code>quizztex</code> in <code>macros/latex/contrib</code> Create quizzes as in TV shows.	<code>luaplot</code> in <code>macros/luatex/latex</code> Plotting graphs using Lua and either MetaPost or T _i kZ.
<code>robust-externalize</code> in <code>macros/latex/contrib</code> Cache anything in a robust, efficient, and pure way.	<code>sympycalc</code> in <code>macros/luatex/latex</code> Work with SymPy and PyLuaT _E X.
<code>rorlink</code> in <code>macros/latex/contrib</code> Create ROR symbols linking to their given ROR-IDs.	<hr/> macros/plain
<code>setspaceenhanced</code> in <code>macros/latex/contrib</code> Enhancement of the <code>setspace</code> package.	<code>mllawriter</code> in <code>macros/plain/contrib</code> Write MLA style documents in plain T _E X.
<code>starray</code> in <code>macros/latex/contrib</code> Structured arrays of properties, using <code>expl3</code> .	<hr/> macros/unicodetex/latex
<code>stellenbosch-2</code> in <code>macros/latex/contrib</code> Stellenbosch University thesis bundle.	<code>adobeornaments</code> in <code>macros/unicodetex/latex</code> Using ornaments from Adobe fonts.
<code>ucph-revy</code> in <code>macros/latex/contrib</code> Typeset lyrics and dialogue for theatrical productions.	<hr/> support
<code>unicode-math-input</code> in <code>macros/latex/contrib</code> Allow entering Unicode math symbols without modifying the output encoding.	<code>easydtx</code> in <code>support</code> DTX variant eliminating the need for <code>macrocode</code> environments.
<code>unifront</code> in <code>macros/latex/contrib</code> Give a unique front page to each chapter and section of notes.	<code>runtexshebang</code> in <code>support</code> Running T _E X documents with a shebang (#!).
<code>updatemarks</code> in <code>macros/latex/contrib</code> Extract and update marks from boxes.	<code>wmf2epsc</code> in <code>support</code> Windows metafile conversion.
	<hr/> web
	<code>javascripthttp</code> in <code>web</code> Insert buttons and text fields into PDF output from L ^A T _E X.