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.
khalataqala 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.

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.

jourr in macros/latex/contrib
Template for journal rebuttal letters.

logoetalab in macros/latex/contrib
Insert the “Licence Ouverte Etalab 2.0” logo.
mitthesis in macros/latex/contrib
\LaTeX template for MIT theses.
movement-arrows in macros/latex/contrib
Draw movement arrows on linguistic example sentences.
newfloat in macros/latex/contrib
Define new floating environments.
non-decimal-units in macros/latex/contrib
Support for historical non-decimal units.
oststud in macros/latex/contrib
Templates for the student organization at OST FH, Switzerland.
panneauxroute in macros/latex/contrib
Display French road signs (vector graphics).
postit in macros/latex/contrib
Display Post-it notes.
profmaquette in macros/latex/contrib
Use exercises in various documents, for French math teachers.
ptlatexcommands in macros/latex/contrib
\LaTeX commands in Portuguese.
quizztex in macros/latex/contrib
Create quizzes as in TV shows.
robust-externalize in macros/latex/contrib
Cache anything in a robust, efficient, and pure way.
rorlink in macros/latex/contrib
Create ROR symbols linking to their given ROR-IDs.
setspaceenhanced in macros/latex/contrib
Enhancement of the \texttt{setspace} package.
stararray in macros/latex/contrib
Structured arrays of properties, using \texttt{expl3}.
stellenbosch-2 in macros/latex/contrib
Stellenbosch University thesis bundle.
ucph-revy in macros/latex/contrib
Typeset lyrics and dialogue for theatrical productions.
unicode-math-input in macros/latex/contrib
Allow entering Unicode math symbols without modifying the output encoding.
unifront in macros/latex/contrib
Give a unique front page to each chapter and section of notes.
updatemarks in macros/latex/contrib
Extract and update marks from boxes.