The Treasure Chest

These are the new packages posted to CTAN (ctan.org) from September–October 2021. 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.

A few entries which the editors subjectively believe to be especially notable are starred (*); of course, this is not intended to slight the other contributions.

We hope this column helps people access the vast amount of material available through CTAN and the distributions. See also ctan.org/topic. Comments are welcome, as always.

○ Karl Berry
https://tug.org/TUGboat/Chest

clicks in macros/latex/contrib
Simulate animation in slide deck.
debate in macros/latex/contrib
Insert notes in the form of dialogues.
linenomath in macros/latex/contrib
Use lineno package together with amsmath.
phfcondense in macros/latex/contrib
Typeset extended abstracts, e.g., for conferences.
*unicodefonttable in macros/latex/contrib
Font tables for Unicode fonts. See articles in this issue.
uwa-colours in macros/latex/contrib
Colour palette of the Univ. of Western Australia.

 Lua-widow-control in macros/luatex/generic
 Automatically remove widows and orphans from any document.
lutabular tools in macros/luatex/generic
 Support commands for tabular material.
penlight in macros/luatex/generic
The Penlight pure-Lua library for Lua\LaTeX.

 macros/luatex/latex

 truthtable in macros/luatex/latex
 Automatically generate truth tables for given variables and statements.
yamlvars in macros/luatex/latex
YAML parser (Lua package tinyyaml) and support functions to make \LaTeX definitions using YAML.

 macros/unicodetex/latex

 njuthesis in macros/unicodetex/latex
LaTeX thesis template for Nanjing University.
uwa-letterhead in macros/unicodetex/latex
Letterhead of the Univ. of Western Australia.
uwa-pcf in macros/unicodetex/latex
Participant Consent Form for human research protocols at the Univ. of Western Australia.
uwa-pif in macros/unicodetex/latex
Participant Information Form for same.

 macros/xetex/latex

 hanzibox in macros/xetex/latex
Simplify input of Chinese characters.
zitie in macros/xetex/latex
CJK character calligraphy practice sheets.

 fonts

 bboldx in fonts
 More weights for blackboard board.
nahuatl in fonts
 Render Nahuatl (native Mexican writing system) glyphs.
*notocondensed in fonts
 Support for the condensed variants of the Noto fonts. This package is available through https://contrib.texlive.info.

 graphics

 luapstricks in graphics/pstricks/contrib
Use PSTricks in Lua\LaTeX with no need for special environments or external commands.
tikz-bagua in graphics/pgf/contrib
Draw Yijing (I Ching) or Zhouyi symbols in TikZ.
zx-calculus in graphics/pgf/contrib
TikZ library to typeset ZX Calculus diagrams.

 info

tex-vpat in info
\TeX accessibility conformance report.

 macros/latex/contrib

cdcmd in macros/latex/contrib
Expandable conditional commands for \LaTeX.

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