
News -- 2025

new macros and bugfixes for the basic package.

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Part I.

pstricks – package

There is a new package pstricks-plain which can be used for PSTricks together with Plain \TeX . It does *not* work with \LaTeX !

1. pstricks.sty

Modified check for a wrong \LaTeX -doc filename pstricks.tex. The old one was broken.

2. pstricks.tex (v. 3.22 – 2025/06/11)

Modified pspicture environment to allow optional arguments which are set at the beginning of the environment:

Before:

```
\psset{unit=3cm}%   local to \subfloat
\begin{pspicture}(0,0)(3,3)
  \psgrid[subgriddiv=3, gridlabels=0](0,0)(3,3)
\end{pspicture}
```

Now:

```
\begin{pspicture}[unit=3cm](0,0)(3,3)
  \psgrid[subgriddiv=3, gridlabels=0](0,0)(3,3)
\end{pspicture}
```

3. Lua \LaTeX

This version has a stable basic support for the lua package luapstricks.lua, available from <https://github.com/zauguin/luapstricks>. This is also part of every MiK \TeX or \TeX Live installation. This documentation was run with lua \LaTeX , which creates directly the pdf. No GhostScript needed.

Example:

Value	Example	Name
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-		None
<->		Arrowheads.
>-<		Reverse arrowheads.
<<->>		Double arrowheads.
>>-<<		Double reverse arrowheads.
-		T-bars, flush to endpoints.
* - *		T-bars, centered on endpoints.
[-]		Square brackets.
]-[Reversed square brackets.
(-)		Rounded brackets.
)-(Reversed rounded brackets.
o-o		Circles, centered on endpoints.
-		Disks, centered on endpoints.
oo-oo		Circles, flush to endpoints.
-		Disks, flush to endpoints.
<->		T-bars and arrows.
▷-◁		T-bars and reverse arrows.
h-h		left/right hook arrows.
H-H		left/right hook arrows.
v-v		left/right inside vee arrows.
V-V		left/right outside vee arrows.
f-f		left/right inside filled arrows.
F-F		left/right outside filled arrows.
t-t		left/right inside slash arrows.
T-T		left/right outside slash arrows.
<D-D>		curved arrows.
<D<D-D>D>		curved doubled arrows.
D>-<D		curved arrows, tip inside.
<T-T>		curved lines.

References

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