

PSTricks

News -- 2023

new macros and bugfixes for the basic package.

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Package author(s):
Herbert Voß

Contents

1. pstricks – package	2
1. pstricks.sty	2
2. pstricks.tex (v. 3.19 – 2023/04/30)	2
3. Lua \TeX	2
References	3

Part I.

pstricks – package

1. pstricks.sty

With Lua \TeX the package now tries to detect if the command `\DocumentMetadata` is needed. If yes, than it is defined as `\DocumentMetadata{}`. This code does not really worked, the reason why the user has to set `\DocumentMetadata` by it's own.




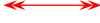










2. pstricks.tex (v. 3.19 – 2023/04/30)
















Added a test for `lua \TeX` before the default linewidth and color are set. See last line in `pstricks.tex`

3. Lua \TeX

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 \TeX` , which creates directly the pdf. No GhostScript needed.

Example:

Value	Example	Name
-		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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- [4] Herbert Voß. “Die mathematischen Funktionen von Postscript”. In: *DTK* 1/02 (Mar. 2002), pp. 40–47.
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