PSTricks - version 1.15 new macros and bugfixes for pstricks

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Abstract

This new version of pstricks.tex depends on the also new prologue file pstricks.pro (v 1.01) and pst-dots.pro (v. 2.00), which should go into the local TEX-directory \$TEXMFLOCAL/dvips/.

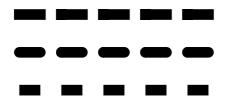
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1 linecap

This was already introduced with version 1.14, but I forgot to mentioned it. For the line ends one can use the "arrows" c-c, but only for the ends. For dashed lines the option linecap can be set to the value 1 to get the dashes with rounded ends, too.



```
begin{pspicture}(5,3)
psline[linestyle=dashed,linewidth=8pt,dash=5mm 5mm,linecap
=2](0,2.5)(5,2.5)

psline[linestyle=dashed,linewidth=8pt,dash=5mm 5mm,linecap
=1](0,1.5)(5,1.5)

psline[linestyle=dashed,linewidth=8pt,dash=5mm 5mm](0,0.5)(5,0.5)
hend{pspicture}
```

It is obvious that only the value 1 makes sense for the dashed lines.

2 Dots

Long time ago, Etienne Riga sent the code for some new dotstyles which are now part of pstricks.

Name	\psdot	\psdot*	Name	\psdot	\psdot*
*	• • •	• • •	0	000	• • •
Во	0 0 0	• • •	х	\times \times \times	\times \times \times
+	+ + +	+ + +	B+	+ + +	+ + +
Add	+ + +	+ + +	BoldAdd	+ + +	+ + +
Oplus	⊕ ⊕ ⊕	• • •	BoldOplus	⊕ ⊕ ⊕	• • •
SolidOplus	• • •	• • •	Hexagon	000	• • •
BoldHexagon	0 0 0	• • •	SolidHexagon		• • •
asterisk	* * *	* * *	Basterisk	* * *	* * *
Asterisk	* * *	* * *	BoldAsterisk	* * *	* * *
SolidAsterisk	8 8 8	• • •	oplus	⊕ ⊕ ⊕	⊕ ⊕ ⊕

Name	\psdot	\psdot*	Name	\psdot	\psdot*
otimes	\otimes \otimes	⊗ ⊗ ⊗	Otimes	\otimes \otimes \otimes	• • •
BoldOtimes	\otimes \otimes \otimes	• • •	SolidOtimes	888	• • •
Mul	\times \times \times	\times \times \times	BoldMul	× × ×	× × ×
	1 1 1	1 1 1	ВІ	1.1.1	1.1.1
Bar	1 1 1	1 1 1	BoldBar	iii	1 1 1
Bullet	• • •	• • •	Circle	0 0 0	• • •
BoldCircle	0 0 0	• • •	square		
Bsquare			square*		
Square			BoldSquare		
SolidSquare			diamond	\Diamond \Diamond \Diamond	* * *
Bdiamond	$\Diamond \ \Diamond \ \Diamond$	* * *	diamond*	* * *	
Diamond	\Diamond \Diamond \Diamond	* * *	BoldDiamond	\diamond \diamond \diamond	
SolidDiamond	* * *	* * *	triangle	\triangle \triangle \triangle	A A A
Btriangle	ΔΔΔ	A A A	triangle*	A A A	A A A
Triangle	ΔΔΔ	A A A	BoldTriangle	ΔΔΔ	A A A
SolidTriangle	A A A	A A A	pentagon	000	• • •
Bpentagon	$\circ \circ \circ$	• • •	pentagon*	• • •	• • •
Pentagon		• • •	BoldPentagon	000	• • •
SolidPentagon	• • •	• • •	Hexagon	000	• • •
BoldHexagon	000	• • •	SolidHexagon	• • •	• • •

3 pstricks.pro

The PostScript header file defines the following functions and constants, which can be used in arguments for \psplot or any other macro, which reads PostScript code.

4 Packages

The package pst-char is now part of pst-text and the package pst-ghsb is now part of pst-grad. The macros and environments will work in the same way.

The documented source code of pstricks and pst-node is now available as a pdf file with a source which can be run by pdflateX. Rolf Niepraschk modified the old sources from Timothy Van Zandt for running with LateX and/or pdflateX.