

News - 2017

new macros and bugfixes for the basic package pstricks

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Part I.

pstricks – package

1. pstricks.tex (v. 2.73 – 2017/05/18)

1.1. Error message

Using PSTricks with pdf_lat_ex will work only when using package auto-pst-pdf and running the T_EX-file with

```
pdflatex -shell-escape <file>
```

otherwise you'll get an error message which was misleading in the past:

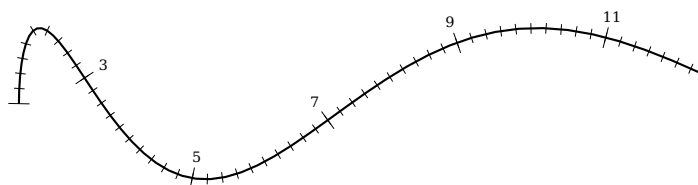
```
[...]
! Undefined control sequence.
<recently read> \c@lor@to@ps
```

This changes now to

```
[...]
! Undefined control sequence.
\c@lor@to@ps ->\PSTricks
                _Not_Configured_For_This_Format
```

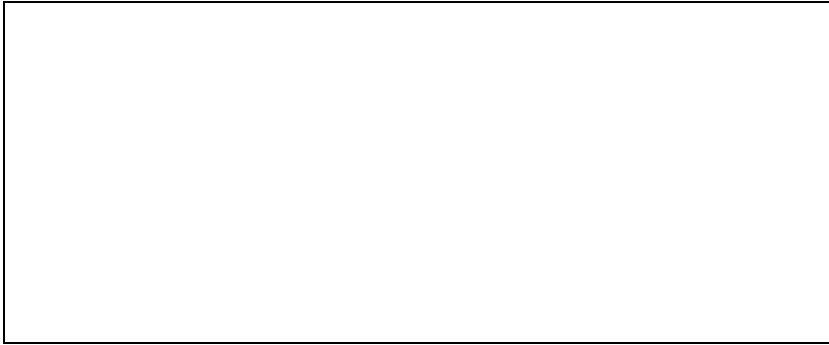
1.2. refangle

This version fixes a bug with pst@refangle which is used inside PostScript.



```
\begin{pspicture}(-1,-1)(10,3.5)
\psparametricplot[algebraic]{0}{9}{t^2/9 | sin(t)+1}%
\pscurvepoints{0}{9}{(t^2)/9 | sin(t)+1}{P}%
\pspolylineticks[metricInitValue=1,ticksize=-2pt 2pt,Os=1,Ds=.2]{P}{ ds }{1}{56}%
\pspolylineticks[metricInitValue=1,Os=1,Ds=2]{P}{ ds }{0}{6}%
\multido{\iA=1+1,\iB=3+2}{5}{\Put{6pt}{(PNormal\iA)}(PTick\iA){\tiny \iB}}
\end{pspicture}
```

There is a new optional argument `draft` which has the same meaning as the one for `\includegraphics`. The PSTricks image is not drawn, only the area of the `pspicture` coordinates is seen by a rectangle (only for L^AT_EX).



```
\psset{draft}
\begin{pspicture}(-1,-1)(10,3.5)
\psparametricplot[algebraic]{0}{9}{t^2/9 | sin(t)+1}%
\pscurvepoints{0}{9}{(t^2)/9 | sin(t)+1}{P}%
\pspolylineticks[metricInitValue=1,ticks=-2pt 2pt,0s=1,Ds=.2]{P}{ ds }{1}{56}%
\pspolylineticks[metricInitValue=1,0s=1,Ds=2]{P}{ ds }{0}{6}%
\multido{\iA=1+1,\iB=3+2}{5}{\Put{6pt;(PNormal\iA)}(PTick\iA){\tiny \iB}}
\end{pspicture}
```

1.3. \newpsstyle

The command `\newpsstyle` has a new syntax:

```
\newpsstyle [package name] {name}{definitions}
```

For example

```
\newpsstyle[pst-shell]{Epiteonium}{D=1,A=9.5,alpha=85.9,beta=9,mu=0,omega=0,
phi=81,a=2.1,b=1.6,L=1.3,P=-60,W1=200,W2=20,N=8.3}
```

References

- [1] Michel Goossens et al. *The L^AT_EX Graphics Companion*. 2nd ed. Reading, Mass.: Addison-Wesley Publishing Company, 2007.
- [2] Laura E. Jackson and Herbert Voß. “Die Plot-Funktionen von pst-plot”. In: *Die T_EXnische Komödie* 2/02 (June 2002), pp. 27–34.
- [3] Nikolai G. Kollok. *PostScript richtig eingesetzt: vom Konzept zum praktischen Einsatz*. Vaterstetten: IWT, 1989.
- [4] Herbert Voß. “Die mathematischen Funktionen von Postscript”. In: *Die T_EXnische Komödie* 1/02 (Mar. 2002), pp. 40–47.
- [5] Herbert Voß. *PSTricks – Grafik für T_EX und L^AT_EX*. 7th ed. Heidelberg and Berlin: DANTE – Lehmanns Media, 2016.
- [6] Herbert Voß. *PSTricks – Graphics for L^AT_EX*. 1st ed. Cambridge/UK: UIT, 2011.
- [7] Herbert Voß. *PSTricks Support for pdf*. 2002. URL: <http://PSTricks.tug.org/main.cgi?file=pdf/pdfoutput>.
- [8] Herbert Voß. *L^AT_EX Quick Reference*. 1st ed. Cambridge/UK: UIT, 2011.
- [9] Herbert Voß. *L^AT_EX Referenz*. 3rd ed. Heidelberg and Berlin: DANTE – lehmanns media, 2014.
- [10] Michael Wiedmann and Peter Karp. *References for T_EX and Friends*. 2003. URL: <http://www.miwie.org/tex-refs/>.

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