PSTricks - version 1.12
new macros and bugfixes for `pstricks`

Herbert Voß[*]

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Abstract

This new version of `pstricks.tex` depends on the also new prologue file `pstricks.pro` (v 1.00), which should go into the local TeX-directory `$TEXMFLOCAL/dvips/`.

Contents

1 New macro names

In general `PSTricks` uses macronames with a preceeding `ps` to prevent clashes with other packages. However, some macros have names without the `ps` and these ones have now new names:
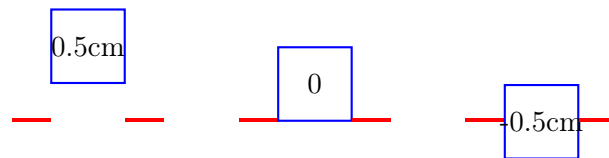
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[*]Herbert.Voss@perce.de

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```
\scalebox     -> \psscalebox
\scaleboxto   -> \psscaleboxto
\rotateleft   -> \psrotateleft
\rotateright  -> \psrotateright
\rotatedown   -> \psrotatedown
```

The first change is important, because there were a lot of problems in the past; `graphicx` also defines a `scalebox` but with diffent syntax.

2   `shift` Option

The new `shift` option now expects a length with a `PSTricks` compatible dimension.
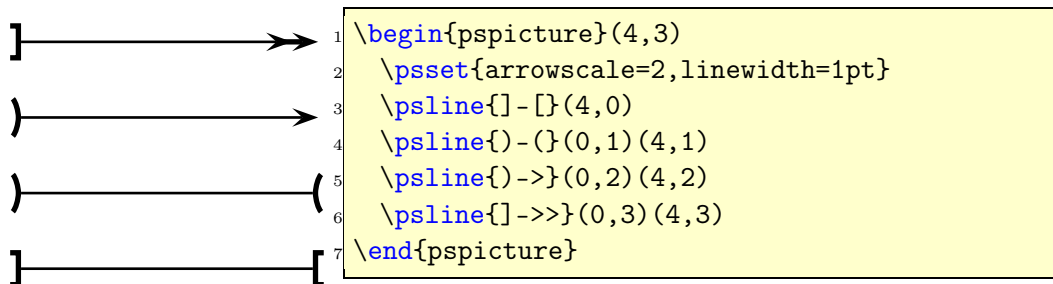
```
1  \small
2  \textcolor{red}{\rule{5mm}{1pt}}%
3  \begin{pspicture}[shift=0.5cm](-0.5,-0.5)(0.5,0.5)
4    \psframe[linecolor=blue](-0.5,-0.5)(0.5,0.5)\rput(0,0){0.5cm}
5  \end{pspicture}%
6  \textcolor{red}{\rule{5mm}{1pt}}\hspace{1cm}\textcolor{red}{\rule{5
     mm}{1pt}}%
7  \begin{pspicture}(-0.5,-0.5)(0.5,0.5)
8    \psframe[linecolor=blue](-0.5,-0.5)(0.5,0.5)\rput(0,0){0}
9  \end{pspicture}%
10 \textcolor{red}{\rule{5mm}{1pt}}\hspace{1cm}\textcolor{red}{\rule{5
     mm}{1pt}}%
11 \begin{pspicture}[shift=-0.5cm](-0.5,-0.5)(0.5,0.5)
12   \psframe[linecolor=blue](-0.5,-0.5)(0.5,0.5)\rput(0,0){-0.5cm}
13 \end{pspicture}%
14 \textcolor{red}{\rule{5mm}{1pt}}
```

3   New arrows

pstricks now contains the missing arrow ends \verb]-[+ and)-(.

```
1  \begin{pspicture}(4,3)
2    \psset{arrowscale=2,linewidth=1pt}
3    \psline{]-[}(4,0)
4    \psline{)-(}(0,1)(4,1)
5    \psline{)->}(0,2)(4,2)
6    \psline{]->>}(0,3)(4,3)
7  \end{pspicture}
```

4 New otions for `pstricks.sty`

noxcolor load package `color` instead of `xcolor`;

plain do nothing else as a \input{pstricks};

DIA a bug fix for the PSTricks-export of the garfic program DIA.

5 New `pstricks.pro`

this file now contains the PostScript code for arcs of an ellipse.