

News - 2014 new macros and bugfixes for the basic package pstricks

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# Part I. pstricks - package

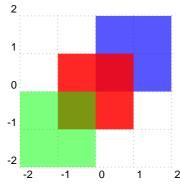
## 1. pstricks.tex (2.51-2014/02/03)

# 2. Opacity

The keyword strokeopacity is now also valid for \psdot, \psdots, and the linestyle/plotstyle=do

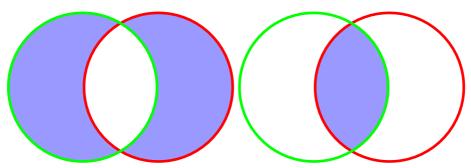
#### 2.1. PostScript notation for numbers

Optional arguments which expects a real number can now have a preceding! character for a PostScript notation which is directly passed to PostScript. The user has take care that such a number isn't use before in another  $T_{\hbox{\it E}}X$  macro. In such a case it gives an error.



#### 2.2. Fillstyle eofill

It is an experimental fillstyle. PostScript knows only the eofill and the other way round needs some tricky internal commands and may not work in all cases.



```
begin{pspicture}[linewidth=2pt](12,4)
pscustom[linestyle=none,fillstyle=eofill,fillcolor=blue!40]{%
    \psellipse(4,2)(2,2)\psellipse(2,2)(2,2)}

psellipse[linecolor=red](4,2)(2,2)

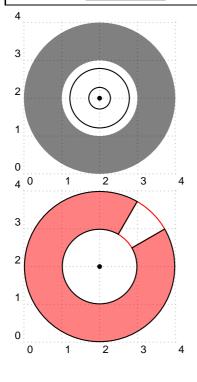
psellipse[linecolor=green](2,2)(2,2)

pscustom[linestyle=none,fillstyle=oefill,fillcolor=blue!40]{%
    \pscustom[linestyle=none,fillstyle=oefill,fillcolor=blue!40]{%
    \psellipse(10,2)(2,2)\psellipse(8,2)(2,2)}

psellipse[linecolor=red](10,2)(2,2)
    \psellipse[linecolor=green](8,2)(2,2)
    \left(end{pspicture})
```

#### 2.3. New macro \psRing

```
\proonup * [Options] (x,y) [start,end] {Inner Radius} {Outer Radius}
```



```
begin{pspicture}[showgrid](4,4)

psRing(2,2){0.3}{0.8}

psRing*[opacity=0.5](2,2){1}{2}

psdot(2,2)

end{pspicture}
```

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### **References**

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