News - 2020

new macros and bugfixes for the basic package.

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Part I. pstricks – package

1. pstricks.sty - pstricks-pdf.sty

With the package pstricks-pdf you can now use

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

This document was created this way. Remember that you have to use the environment postscript if you do not use the environment pspicture or a lot of PS-code outside this environment:

```
\begin{postscript}
```

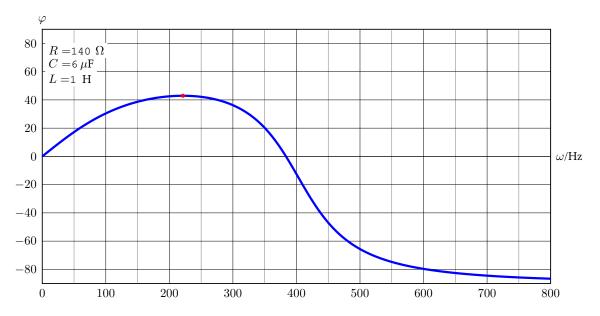
\pstVerb{/LL 1 def /RR 140 def /CCmy 6 def /RsqC RR dup mul 1000 div CCmy mul 1000 div def /omegam LL RR div 1000 mul RR div CCmy div 1000 mul 1 sub sqrt RR mul 3 sqrt div LL div def /phiomegafunc {/omega exch def LL RsqC sub omega CCmy mul 1000 div omega mul 1000 div

LL mul LL mul sub omega mul dup 0 ge {RR atan}{RR atan 360 sub} ifelse} def /phimax omegam phiomegafunc def}

\begin{center}

\begin{psgraph}[axesstyle=frame,yAxisLabel=\$\varphi\$,xAxisLabel=\$\omega\$/Hz,
 yticksize=0 16cm,xticksize=-90
 90,subticksize=1,Dy=20,Dx=100,xsubticks=2](0,0)(0,-90)(800,90){16cm}{8cm}

```
\label{linecolor} $$ \left[\lim_{0 \le 0} + \left[\lim_{0
```

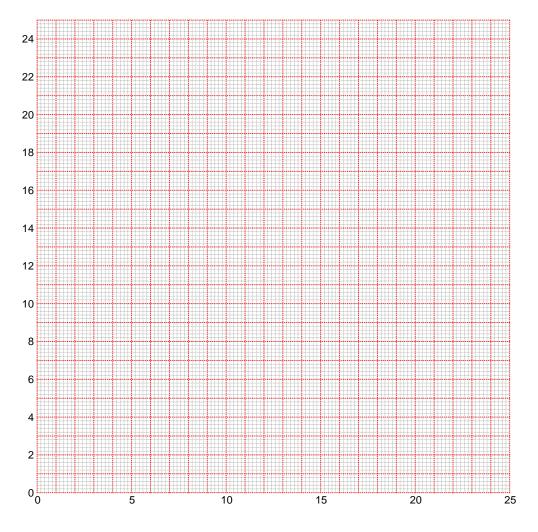


(Example by Poul Riis)

2. pstricks.tex (v. 2.99 - 2020/06/09)

New optional arguments griddx and griddy, which are only valid for \psgrid:

```
\psset{unit=5mm}
\newpsstyle{gridstyle}{gridlabels=8pt, gridfont=Helvetica, gridcolor=red,
    subgridcolor=gray, subgriddiv=5, gridwidth=.8pt, subgridwidth=.4pt,
    griddots=10, subgriddots=5,
    griddx=5, griddy=2 }
\begin{pspicture}[showgrid](25,25)
\end{pspicture}
```



3. pstricks.pro

The function Grid supports GridDX and GridDY.

The current version 1.32 should handle transparency for all Ghostscript versions. For versions > 9.52 you need for ps2pdf the optional argument -dALLOWPSTRANSPARENCY instead of -dNOSAFER, which is still needed if you want to write Postscript files from within the TeX-run.

References

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