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Subject: Re: Problem writing SCATTERPLOT() with more than 4096 points to PDF file

Posted by [Heinz Stege](#) on Fri, 14 Apr 2017 17:21:58 GMT

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On Mon, 10 Apr 2017 11:18:38 -0700 (PDT), Chris Torrence wrote:

If shading is not important for you and you have installed ghostscript on your system, you can try "good old direct graphics". Here is a demo for Windows. It should need only small changes for Linux and Mac.

```
psfile='scatterplot_demo.ps'
pdffile='scatterplot_demo.pdf'
```

```
page_width=29.7
page_height=21.
```

```
set_plot,'ps'
device,/color,/isolatin1
device,xsize=page_width-3.,ysize=page_height-2.5,xoff=1.5,yo ff=1.
device,file=psfile
```

```
temp=findgen(17)*!pi/8.
usersym,cos(temp),sin(temp),/fill
blue='ff5000'x
tv!ct,byte(blue,0,1,3),10
```

```
x=randomn(seed,4096)
y=randomn(seed,4096)
plot,x,y,/nodata
oplot,x,y,psym=8,syms=.5,color=10
```

```
device,/close
```

```
factor=720./2.54
command="" + getenv('ProgramFiles') + '\gs\gs8.61\bin\gswin32c.exe ' + $
' -q -dNOPAUSE -dBATC -sDEVICE=pdfwrite' + $
' -dPDFSETTINGS=/prepress' + $
' -dDEVICEWIDTH=' + strtrim(round(page_width*factor),2) + $
' -dDEVICEHEIGHT=' + strtrim(round(page_height*factor),2) + $
' -sOutputFile="' + pdffile + '" "' + psfile + '"'
spawn,command,stdout,stderr,/noshell
if stdout ne " then print,stdout
if stderr ne " then print,stderr
```

Cheers, Heinz

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