Subject: Re: Font size appearance in function graphics PNG and EPS output
Posted by Paul Van Delst[1] on Mon, 09 Dec 2013 18:32:49 GMT
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Hi Chris,

Excellent, thanks. The "HEIGHT=500.0/96" tip is also useful - despite
the strange line plotting.

The EPS files are included inside LaTeX (and, in some cases, Word)
documents. I've never tried embedding PDFs inside those (since the final
result is to create a PDF for distro) but I'll give it a shot.

cheers,

paulv

p.s. Schedule for 8.3.1 release?

On 12/09/13 12:50, Chris Torrence wrote:
> Hi Paul,
>
> Well, there are a couple of things going on. The PNG assumes that
> your
screen is 96 dots-per-inch, and scales the fonts accordingly. Since EPS
is a vector format on a "piece of paper", you need to set your EPS width
to match the PNG image width. Something like this:
> p.save, 'test.eps', HEIGHT=500.0/96 ; height in inches However, there
> is something wrong with our postscript code where it
doesn't draw the plot lines correctly, so this isn't going to work, even
in IDL 8.3.
>
> I'm not sure if you have to use EPS, but as a possible workaround,
> you
could use PDF output instead. If you do try PDF, you just need to make
sure that you set the "paper" width to be the same as the png image.
Something like this:
>
> x = DINDGEN(100)
> y = (x/10.0d0)^2
> p = PLOT(x,y, $
>   XTITLE='X axis title', $
>   YTITLE='Y axis title', $
>   TITLE ='Test plot title', $
>   FONT_SIZE=10)
> p.save, 'test.png', HEIGHT=500
> p.save, 'test.pdf', HEIGHT=500.0/96 ; height in inches
>

> I have logged the EPS issues as bug IDL-68997, and marked it for IDL
8.3.1. Sorry about the bug...
>
> -Chris
> ExelisVIS
>