Subject: Re: ImageMagick option not showing up in Coyote Graphics window
Posted by allisonjaynes on Tue, 03 Mar 2015 22:22:28 GMT

On Monday, March 2, 2015 at 5:25:53 PM UTC-7, David Fanning wrote:
> allison jaynes writes:
>
>> I tried output with cgControl using:
>> 1) PS_FONT=0
>> 2) PS_FONT=1
>> 3) PS_TT_FONT='Times'
>> 4) PS_TT_FONT='Helvetica'
>>
>> All the same - all have the white lines.
>> Plot titles come out the same as using cgText, predictably.
>>
>> But the tickmark labels are fine! If you use xtickname to give text to the tickmarks, they have
NO white lines.
>>
>> Is this a clue?
>
> On my Windows 7 machine (all updates), with IDL 8.2.3, I run this
> command:
>
>    IDL> cgplot, cgdemodata(1), Title='This is a Long Title', $
>        XTitle='This is Another LONG Title', $
>        YTitle='And Still Another Tiitle', $
>        Font=0, Output='test_hardware.ps'
>
> I'm viewing the PostScript files in GSView 5.0 at a very high
> magnification (at least 300 percent).
>
> If I set FONT=0, I see no evidence of lines. If I set FONT=1 (with a
> Times True-Type font selected), I see evidence of lines in the Plot
> titles, including the X and Y titles, but not on the number annotations
> for the axes.
>
> If I set FONT=0, and turn anti-aliasing on in the viewer, the text is
> smooth. If I turn it off, the text is jagged about the boundaries, as I
> expect.
>
> If I set FONT=1, then the output (although it has lines from the
> polygons that made up the title fonts), shows no effect with anti-
> aliasing on or off. Also, exactly what I would expect.
>
> The lines (or not) from the PostScript file is carried over to the PDF
> file when I create that from the PostScript file.
>

> If I set FONT=1 and render in 24-bit color in the PostScript device,
> there is no difference from doing this in 8-bit color.
>
> If I set FONT=1, LANGUAGE_LEVEL=2, DECOMPOSED=[0 or 1], there is no
> difference in output.
>
> Any clues there? :-)
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Okay! This method of using FONT=0 and FONT=1 within the cgPlot call works!
See the two plots below, one using FONT=0 and the next using FONT=1.

https://www.dropbox.com/s/sssrxis3gadzmoz/Font%3D0.pdf?dl=0

https://www.dropbox.com/s/snr3g9933o7qda5/Font%3D1.pdf?dl=0

BUT now I want to get this to work after loading a ton of commands into a cgWindow. It seems
that theoretically it should work using cgControl, PS_FONT=0, but as Phillip mentioned above,
that command is ineffectual. Is this a bug, maybe?