Subject: Re: on the background color of cgplot
Posted by David Fanning on Sun, 26 May 2013 20:56:57 GMT
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simona bellavista writes:

> I have a peculiar problem with cgplot, the background is red and the points that are supposed
to be black are cyan. This only happen when I connect to the computer cluster via vnc and use
cgplot. If I use 'plot' instead of 'cgplot', I correctly get a black on white figure.
> I noticed that if I put explictly background=cgcolor('white') in the cgplot, the background is
correctly white. While if I put color=cgcolor('black'), the points are black but the axes are still cyan.
I would like to set the background and the color once at the beginning before calling cgplot. Is this
possible?

This sounds to me like the cluster machine is using 16-bit color, rather
than 24-bit color. Could you log onto the cluster and run IDL without
running your initializing script? From inside of IDL, I'd like to know
the results of this command:

  IDL> Help, /Device

I suspect you are unsuccessful in putting IDL into 24-bit mode on this
cluster machine. Maybe because an IDL graphics window has already been
opened by the time your initializing script is run. On UNIX, once a
window is opened, you cannot change the depth of the visual class that
is selected.

I'd also be curious what cgPlot would do if you set yourself up in
decomposed color mode (Decomposed=1, which is what I recommend you do if
you want to use Coyote Graphics routines).

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")