
Subject: Re: An IDL cron job, true color plots, Xvfb, Z-buffer, and all sorts of troubles

Posted by [David Fanning](#) on Fri, 08 Feb 2008 16:06:27 GMT

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Kathryn writes:

> For example, if I use the modified version of my stupid plotting
> procedure that was in David's reply (running interactively, using X
> windows), I have a couple of additional problems. First, I downloaded
> FSC_COLOR so that I could use the annotatecolor option to colorbar.
> However, the call as it stands in colorbar (which I also just re-
> downloaded, to make sure I had the current version) leaves me with a
> syntax error in FSC_COLOR, supposedly to do with the filename argument
> in the call:
> theColor = PickColorName(Filename=filename, _Extra=extra,
> Cancel=cancelled)

More likely that PickColorName is not in your path. Maybe you didn't download it. I use the Library to build programs in the Library, so...

<http://www.dfanning.com/programs/coyoteprograms.zip>

>
> Furthermore, if I try to use the Z buffer and TVREAD to solve my
> problem, for example:
> set_plot, 'Z'
> plot_test, [0,2],[0.3,2.5]
> tvread(/png, filename='plot_test',/nodialog)
>
> My plot comes out with a blue background, invisible axes, and red
> annotation on the colorbar. So clearly I'm still missing something
> with respect to specifying the colors.

Well, I think you forgot to specify them. This would be what I would expect for that color table 33 you were using the other day and this code.

Something like this should work better:

```
set_plot, 'Z'  
tvlct, 255, 255, 255, 1 ; White  
tvlct, 0, 0, 128, 2 ; Navy Blue  
tvlct, 205, 92, 92, 3 ; Indian Red  
Plot, [0,2],[0.3,2.5], Background=1, Color=2, /NoData  
OPlot, [0,2],[0.3,2.5], Color=3  
void = tvread(/png, filename='plot_test',/nodialog)
```

- > To be sure I wasn't screwing something up with calls in my
- > startup file, I commented out all graphics-related things prior to
- > testing the above snippet.

There's your problem! ;-)

- > Thanks to everyone on this newsgroup for always being so generous with
- > suggestions,

I thought I might have been too harsh yesterday in my assessment of your program, but you seem to be bucking up. Hang in there, you are just an Ah-ha moment away! :-)

Cheers,

David

--

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
