Subject: Re: How to access properties of multiple plots in a function graphics window?
Posted by David Fanning on Wed, 13 Nov 2013 21:20:31 GMT

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David Fanning writes:

> Then, I found I could do this without knowing the name of anything.
>
>   win = window()
>   p1 = plot(cgdemodata(17), color='red', /current)
>   p2 = plot(cgdemodata(17), color='green', /overplot, /current)
>   objs = cgGetObjects(win, ISA='IDLGRPLOT')
>
> Oddly, there are four plot objects in the window, not two. Maybe the
> other two are used for backing store? Not sure about that. Maybe Mark
> can help us understand this. But, in any case, there appear to be
> duplicates. Oddly, I can't do this:
>
>   objs[0].color = 'blue'
>   objs[2].color = 'orange'
>
> But, I can do this:
>
>   objs[0] -> SetProperty, Color=cgColor('navy', /Triple, /Row)
>   objs[2] -> SetProperty, Color=cgColor('orange', /Triple, /Row)
>   win.refresh
>
> For what it is worth. :-)

I think what I should have been looking for are IDLVisPlots:

   objs = cgGetObjects(win, ISA='idlitvisplot')

There are only two of those, and these are apparently the two plots you
want to work with:

   objs[0] -> SetProperty, Color=cgColor('navy', /Triple, /Row)
   objs[1] -> SetProperty, Color=cgColor('orange', /Triple, /Row)
   win.refresh

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.")