
Subject: Re: Overplot cgplots in graphics window
Posted by [David Fanning](#) on Mon, 28 Oct 2013 17:25:42 GMT
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Morgan Silverman writes:

> Sorry, I forgot to mention that the included code was in a procedure
and the main program had
> cgWindow, 'Plot_DAQ_Trajectories', wbackground='white', wxsize=600, wysize=500,
wtitle='Westerly Flow'
>
> I still have several questions and some clarification though. In your example using cgWindow,
you use cgPlot to begin. When I try to apply this to my code I get data plotted but no map
background because cgPlot doesn't allow map=mapCoord. Is this correct or do I have things in
the wrong order.

Well, you have the wrong command. If you are not using a line plot, then
you wouldn't use the cgPlot command. :-)

You seem to be using a cgMap object. So, I would try something like
this:

```
map = Obj_New('cgMap', ..., /AddCmd)
```

Where "...", of course, includes all the usual things you put into the
command.

> Also, to clarify. Once I have completed the loop, what I need to do is rerun the entire code with
a new dataset going through the same calculations and plotting loop. At the moment this creates a
new window, but I want to put in the same window as the first time I ran the code. Is this possible?
Thanks.

Every time you call cgWindow, it creates a new graphics window. If this
is not what you want, then check to see if that window is on the
display, and, if it is, use it, rather than creating a new window.

```
wids = cgQuery(TITLE=titles, COUNT=count)
IF count NE 0 THEN BEGIN
  index = Where(StrUpCase(titles) EQ 'Plot_DAQ_Trajectories', tcnt)
ENDIF ELSE tcnt = 0
IF tcnt EQ 0 THEN BEGIN
  cgWindow, WTitle='Plot_DAQ_Trajectories', wxsize=600, wysize=500
ENDIF ELSE BEGIN
  cgSet, wids[index[0]]
ENDELSE
```

Cheers,

David

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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.")
