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Subject: Re: Overplot cgplots in graphics window

Posted by [David Fanning](#) on Mon, 28 Oct 2013 15:25:45 GMT

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Morgan Silverman writes:

> I have several data sets of trajectories that I want to plot together in one graphics window. I am able to rerun the code and have it overplot in the display window but I'm not able to save that. I've tried creating a resizable graphics window but because the cgplots commands are in a loop, IDL continually displays new graphics windows and then crashes. Is there a way that I can rerun my code with a new data set each time and overplot on the same map and then save the graphic without having to just copy and paste my code 3x in the same program?

Well, of course. :-)

Not sure how you found yourself in this mess (I don't see in the code you provide where you are creating the cgWindow), but the general method for loading a cgWindow with lots of commands and then making a plot of it looks like this, in general:

```
;-----  
cgWindow  
cgControl, Execute=0  
cgPlot, cgDemoData(1), YRange=[0,100], /AddCmd  
cgLoadCT, 33, NColors=4, Bottom=1  
FOR j=0,3 DO BEGIN  
    cgPlotS, cgDemoData(17), Color=Byte(j) + 1B, /AddCmd  
ENDFOR  
cgControl, Execute=1  
cgControl, Output='overplots.png'  
END  
;-----
```

Create the cgWindow, turn updating off while you add a bunch of commands. Then turn window updating on and create the output.

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.")

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