

---

Subject: Re: Plotting to more than one window

Posted by [David Fanning](#) on Fri, 21 Feb 2003 17:58:36 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Matt Feinstein (notspecified@dev.null) writes:

> I'm trying to plot data alternately, back and forth, to more than one  
> window, and have discovered, to my horror, that OPLOT uses the  
> coordinate conversion parameters for the -last- 'PLOT' procedure,  
> regardless of what the current window you're plotting in happens to  
> be. I can think of various messy and unpleasant ways to get the  
> plotting coordinate parameters I want in the windows I want, when I  
> want them-- but it would be nice if there was a neat and pleasant way  
> to do it-- is there?

Do you mean without using an object? Then, no, there  
is no neat and pleasant way to do it. :-)

The messy way, of course, is just to save the appropriate  
system variables:

```
Window, 1
Plot, data
p1 = !P
x1 = !X
y1 = !Y
z1 = !Z
m1 = !Map
```

```
Window, 2
Plot, moredata
p2 = !P
x2 = !X
y2 = !Y
z2 = !Z
m2 = !Map
```

Then, when you want to overplot, restore everything:

```
WSet, 1
!P = p1
!X = x1
!Y = y1
!Z = z1
!Map = m1
OPlot, somedataOn1
```

Cheers,

David

P.S. I can think of several interesting ways to do this with an object. And it would be neat and pleasant, but you would have to remember to destroy the object when you were done with it. If your mama trained you right, this probably wouldn't be a problem. :-)

--

David W. Fanning, Ph.D.

Fanning Software Consulting, Inc.

Phone: 970-221-0438, E-mail: [david@dfanning.com](mailto:david@dfanning.com)

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

Toll-Free IDL Book Orders: 1-888-461-0155

---