
Subject: Re: oplot

Posted by [Paul Van Delst\[1\]](#) on Thu, 28 Jan 2010 23:22:38 GMT

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bing999 wrote:

```
> It does not work... It still oplots everything on the last plot...
> I must keep only the "x1save = !x y1save = !y " after the "plot" and
> the "!x = x1save !y = y1save" before the "oplot", thats it?
>
> Are the " ; Master save
> xsave = !x
> ysave = !y"
> and " ; Master restore
> !x = xsave
> !y = ysave "
>
> lines respectively at the beginning and the end of the script are
> useful? Should I add them?
```

No. You can't do what you originally asked for when the output is PS. In the context of IDL, there is no way to overplot on a previous page in a PS file. With direct graphics it's obviously easy (via WSET), but there is no PS equivalent (that I'm aware of).

It might be possible to do what you want in PostScript itself (via some arcane PS command).

The easiest solution would be to restructure your code to output each plot to a different PS file.

cheers,

paulv

```
> Thank you for your help!
>
>
>> Hi, thanks for your answers. I should have mentionned that i want to
>> save the plots as .ps then i use :
>>
>> set_plot, 'ps'
>> device, filename='myplots.ps',/color,bits_per_pixel=8
>> .....
>> device, /close
>>
>> and what you proposed seems not to work with such environment.
>> Is it possible to arrange that?
>> Thanks!
>>
>>> mgalloy wrote:
```



```

>>>> I think you want something like:
>>>> if (i eq 0) then begin
>>>>   window, /free
>>>>   win1 = !d.window
>>>>   plot, x1, y1
>>>>   window, /free
>>>>   win2 = !d.window
>>>>   plot, w1, z1
>>>>   ...
>>>> endif else begin
>>>>   wset, win1
>>>>   oplot, x2, y2
>>>>   wset, win2
>>>>   plot, w2, z2
>>>>   ...
>>>> endelse
>>> And you might want to save the !X and !Y sysvars after each PLOT and then restore then
>>> before each OPLOT for each of the two plots, e.g.
>>> ; Master save
>>> xsave = !x
>>> ysave = !y
>>> if (i eq 0) then begin
>>>   window, /free
>>>   win1 = !d.window
>>>   plot, x1, y1
>>>   x1save = !x
>>>   y1save = !y
>>>   window, /free
>>>   win2 = !d.window
>>>   plot, w1, z1
>>>   x2save = !x
>>>   y2save = !y
>>>   ...
>>> endif else begin
>>>   wset, win1
>>>   !x = x1save
>>>   !y = y1save
>>>   oplot, x2, y2
>>>   wset, win2
>>>   !x = x2save
>>>   !y = y2save
>>>   oplot, w2, z2
>>>   ...
>>> endelse
>>> ; Master restore
>>> !x = xsave
>>> !y = ysave
>>> Probably overkill, but still...

```



```
>>> cheers,  
>>> paulv  
>>  
>
```
