
Subject: Re: Oplot in multiple plots (extending over 2 pages)
Posted by [David Fanning](#) on Fri, 18 Nov 2011 14:28:26 GMT
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Cristina writes:

```
> I've searched the forum concerning overplotting of data on plots other
> than the last draw one. I can do this restoring the system variables
> in the way indicated when I have only plots on one page, i.e. 4 plots
> in 1 page set with p!.multi:
> !p.multi=[0,2,2]
> plot,[0,10], & x1=!x & y1=!y & p1=!p
>   plot,[0,10], & x1=!x & y2=!y & p2=!p
>   plot,[0,10], & x2=!x & y3=!y & p3=!p
>   plot,[0,10], & x3=!x & y4=!y & p4=!p
>   !x=x1 & !y=y1 & !p=p1 & oplot,[10,5]
> This overplots data in plot 1.
> But when I have 7 plots extending over 2 pages (in a .ps output
> file), i.e.:
>   !p.multi=[0,2,2]
>   plot,[0,10], & x1=!x & y1=!y & p1=!p
>   plot,[0,10], & x2=!x & y2=!y & p2=!p
>   plot,[0,10], & x3=!x & y3=!y & p3=!p
>   plot,[0,10], & x4=!x & y4=!y & p4=!p
>   plot,[0,10], & x5=!x & y5=!y & p5=!p
>   plot,[0,10], & x6=!x & y6=!y & p6=!p
>   plot,[0,10], & x7=!x & y7=!y & p7=!p
>
>   !x=x1 & !y=y1 & !p=p1 & oplot,[10,5]
>   !x=x2 & !y=y2 & !p=p2 & oplot,[10,5]
>   !x=x3 & !y=y3 & !p=p3 & oplot,[10,5]
>   !x=x4 & !y=y4 & !p=p4 & oplot,[10,5]
>   !x=x5 & !y=y5 & !p=p5 & oplot,[5,0]
>   !x=x6 & !y=y6 & !p=p6 & oplot,[5,0]
>   !x=x7 & !y=y7 & !p=p7 & oplot,[5,0]
> I then get the 7 plots, but overplotting only works in the 5,6 and
> 7th (although data that should have been overplotted in the 1-4th
> plots are plotted over the 5,6&7th too) and there are also data
> plotted in the white space of the possible 8th plot.
```

I am afraid you are going to have to figure out some way to do your overplotting before you leave the PostScript page.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Oplot in multiple plots (extending over 2 pages)

Posted by [Cristina](#) on Mon, 21 Nov 2011 12:20:55 GMT

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On Nov 18, 3:28 pm, David Fanning <n...@dfanning.com> wrote:

> Cristina writes:

>> I've searched the forum concerning overplotting of data on plots other
>> than the last draw one. I can do this restoring the system variables
>> in the way indicated when I have only plots on one page, i.e. 4 plots
>> in 1 page set with p!.multi:

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>> !p.multi=[0,2,2]
>> plot,[0,10], & x1=!x & y1=!y & p1=!p
>> plot,[0,10], & x1=!x & y2=!y & p2=!p
>> plot,[0,10], & x2=!x & y3=!y & p3=!p
>> plot,[0,10], & x3=!x & y4=!y & p4=!p
>> !x=x1 & !y=y1 & !p=p1 & oplot,[10,5]
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>> This overplots data in plot 1.

>> But when I have 7 plots extending over 2 pages (in a .ps output
>> file), i.e.:

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>> !p.multi=[0,2,2]
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>> plot,[0,10], & x3=!x & y3=!y & p3=!p
>> plot,[0,10], & x4=!x & y4=!y & p4=!p
>> plot,[0,10], & x5=!x & y5=!y & p5=!p
>> plot,[0,10], & x6=!x & y6=!y & p6=!p
>> plot,[0,10], & x7=!x & y7=!y & p7=!p
```

```
>
>> !x=x1 & !y=y1 & !p=p1 & oplot,[10,5]
>> !x=x2 & !y=y2 & !p=p2 & oplot,[10,5]
>> !x=x3 & !y=y3 & !p=p3 & oplot,[10,5]
>> !x=x4 & !y=y4 & !p=p4 & oplot,[10,5]
>> !x=x5 & !y=y5 & !p=p5 & oplot,[5,0]
>> !x=x6 & !y=y6 & !p=p6 & oplot,[5,0]
>> !x=x7 & !y=y7 & !p=p7 & oplot,[5,0]
```

>> I then get the 7 plots, but overplotting only works in the 5,6 and
>> 7th (although data that should have been overplotted in the 1-4th
>> plots are plotted over the 5,6&7th too) and there are also data
>> plotted in the white space of the possible 8th plot.

>

> I am afraid you are going to have to figure out some
> way to do your overplotting before you leave the PostScript
> page.
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Do you mean that once !p.multi clears the page (with the 0 in [0,2,2])
is impossible to keep track of the system variables of those plots? or
am I doing something wrong?

Thanks!

Subject: Re: Oplot in multiple plots (extending over 2 pages)
Posted by [David Fanning](#) on Mon, 21 Nov 2011 13:35:22 GMT
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Cristina writes:

> Do you mean that once !p.multi clears the page (with the 0 in [0,2,2])
> is impossible to keep track of the system variables of those plots? or
> am I doing something wrong?

No, I mean once you move to a new "page" of PostScript
output, you can no longer write on the previous page.

Cheers,

David

--

David Fanning, Ph.D.
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Sepore ma de ni thui. ("Perhaps thou speakest truth.")
