
Subject: Re: cgplot and the disappearing white axis
Posted by [DavidF\[1\]](#) on Mon, 14 May 2012 02:54:41 GMT
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Alexis writes:

```
> I am trying to save a multiplot image to a pdf for a presentation.  
> when the cgwindow pops up, all is well, everything is there as it  
> should be. When I save it to a pdf, only the first plot's axis is  
> there. However, this only happens when I specify the background color  
> and axes' color (ie not /traditional) and ONLY when I specify the axis  
> color to be white. If it is cyan, for example, everything is there in  
> the pdf.  
>  
>  
> cgwindow, 'cgplot', x1, y1, axiscolor='white',  
> background=cgcolor('black')  
>  
> cgwindow, 'cgplot', x2, y2, axiscolor='white', /addcmd, /noerase  
>  
> The multiplot command is there via the position keyword, but not  
> included in the example above. Any ideas why white won't give the  
> second axes when saved to a pdf?
```

I would guess because you are confused about what you are doing and you are confusing the cgWindow. I can hear it going "Huh!" now. :-)

The way you would do a multi-plot command using cgWindow is like this:

```
cgWindow, WMulti=[0,1,2]  
cgPlot, x1, y1, axiscolor='white', background='black', /AddCmd  
cgPlot, x2, y2, axiscolor='white', /AddCmd
```

This will produce the correct PDF file for you.

Cheers,

David

Subject: Re: cgplot and the disappearing white axis
Posted by [DavidF\[1\]](#) on Mon, 14 May 2012 03:04:59 GMT
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On Sunday, May 13, 2012 8:54:41 PM UTC-6, Coyote wrote:

```
> Alexis writes:  
>  
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```

>> when the cgwindow pops up, all is well, everything is there as it
>> should be. When I save it to a pdf, only the first plot's axis is
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>> color to be white. If it is cyan, for example, everything is there in
>> the pdf.

>>

>>

>> cgwindow, 'cgplot', x1, y1, axiscolor='white',
>> background=cgcolor('black')

>>

>> cgwindow, 'cgplot', x2, y2, axiscolor='white', /addcmd, /noerase

>>

>> The multiplot command is there via the position keyword, but not
>> included in the example above. Any ideas why white won't give the
>> second axes when saved to a pdf?

>

> I would guess because you are confused about what you are doing and
> you are confusing the cgWindow. I can hear it going "Huh!" now. :-)

>

> The way you would do a multi-plot command using cgWindow is like this:

>

> cgWindow, WMulti=[0,1,2]

> cgPlot, x1, y1, axiscolor='white', background='black', /AddCmd

> cgPlot, x2, y2, axiscolor='white', /AddCmd

>

> This will produce the correct PDF file for you.

Or, maybe not. Somebody else is going to have to work on the "Why?" for you. I'm retired. But, I will say I never imagined that anyone would ask for a black background, especially in a PDF file. This will give you a black background on the display, and a white background in your PDF file. I think that is what most people want. I'm really not sure what YOU want. :-)

```
cgWindow, WMulti=[0,1,2], background='black'
cgPlot, x1, y1, /Addcmd
cgPlot, x2, y2, /AddCmd
```

Cheers,

David

Subject: Re: cgplot and the disappearing white axis
Posted by [A J](#) on Mon, 14 May 2012 03:21:52 GMT

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Ok sorry I will try to be more clear.

I want a black background because I am using this in a presentation, that will be on a black background, and I thought it would look nicer.

I am using the position keyword because the two plots are of different sizes and joined at the bottom/top axes respectively. (specifically, the second one is 1/3 the height of the first one and the bottom axis of the first plot is the top of the second). so multiplot won't work since it makes plots all of the same size.

In any case, adding in another line calling cgwindow first before my lines calling cgplot, as above, seems to have worked. No idea why but hey :)

Thanks,

Alexis
