## Subject: Re: Problem of converting plots with both plotimage and multiplot to postscript

Posted by Jeffrey Chan on Mon, 30 Sep 2013 19:42:55 GMT

> jeffreyrdcs@gmail.com writes:
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>
>>     I was trying to plot some fits images using a combination plotimage.pro and multiplot.pro, it appears fine on my screen as well as output as PNG using write_png.pro.  Below is what it look like when I export the plot as PNG:
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>>
>
>> http://i.imgur.com/XKYK8mX.png
>
>>
>
>>     But when I export it to PostScript, after conversion it appears to be something like this:
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>>
>
>> http://i.imgur.com/b2CfdF5.png
>
>>
>
>>     As you can see there's weird pixels plotted on my PS. I set it in IDL like this:
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>>
>
>>     set_plot,'ps'
>
>>     !p.font=0
>
>>     device,filename= outfile,$
>
>>     xsize= some number,$
>
>>     ysize= some number,$
>
>>     /encapsulate
>
>>
>
>>     multiplot,[0,3,6,0,0],xxxxxxx
>

>>    ....
>
>>    plotimage, xxxx
>
>>    ....
>
>>    multiplot,/reset
>
>>
>
>> and of course, device,/close at the bottom.
>
>>
>
>>    It happens when I run my code on either my Linux machine or my Mac. I have never
encountered such a problem when I plot postscript using plotimage nor multiplot before
>
>
>
> It results from using indexed color in your PostScript device. Your
>
> color table is being contaminated, probably from the labels you are
>
> writing on your images. Setting your PostScript device up correctly is
>
> handled for you if you use PS_Start/PS_End to configure the device, or
>
> you can probably just include a DECOMPOSED=1 keyword on your Device
>
> command to clear this up.
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>
> Cheers,
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> David
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> --
>
> David Fanning, Ph.D.

>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")


It works!  thank you very much!

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