Subject: Re: IDLgrImage image plot problem Posted by David Fanning on Tue, 26 Sep 2006 21:11:52 GMT

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yy writes:

- > I want to plot a 2D data set by using object graphics.
- > And I want it to be colored. If I use direct graphics plot,
- > it can be done as the following:
- > WINDOW, 0, XSIZE=300, YSIZE=300
- > LOADCT,13
- > IMAGE AX, 2ddata

>

- > However, when I try to use IDLgrImage, nothing appears
- > on screen. I don't know if it's because I didn't position the
- > image correctly. But if it is, I still don't know how to find the
- > image. Below is what I did:
- > oWindow = OBJ_NEW('IDLgrWindow', DIMENSIONS=[300,300])
- > oView = OBJ NEW('IDLgrView')
- > oModel = OBJ_NEW('IDLgrModel')

- > ; Load color table 13
- > oPalette = OBJ_NEW('IDLgrPalette')
- > oPalette -> LoadCT, 13
- > olmage = OBJ_NEW('IDLgrImage', 2ddata, PALETTE = oPalette)

>

- > oModel -> Add, olmage
- > oView -> Add, oModel
- > oWindow -> Draw, oView

Well, I think what you put in the window is the lower-left pixel of your image. Don't worry, in my experience about 85% of the people who start using object graphics in IDL do this. I certainly did. :-)

You are going to have to decide what kind of coordinate system you are going to use in your view object. It might make a LOT more sense to use a coordinate system more in line with your image dimensions that with the default coordinate system that will show a single pixel. Check your viewplance rectangle. And you might have a look at ximage.pro in the Coyote directory for an alternate way to get to the same place:

http://www.dfanning.com/programs/ximage.pro

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.dfanning.com/

Subject: Re: IDLgrImage image plot problem Posted by yy on Tue, 26 Sep 2006 23:40:10 GMT

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Thanks for your reply. I'm wondering if there is some other problem since when I try to run the CenteringAnImage.pro code provided in IDL help. I still can't see anything in the window. I don't know what is going on.

Jingyi

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David Fanning wrote:
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> David Fanning, Ph.D.
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