
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  
> olImage = OBJ_NEW('IDLgrImage', 2ddata, PALETTE = oPalette)  
>  
> oModel -> Add, olImage  
> 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 than with the default coordinate system that will show a single pixel. Check your viewplane 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,

David

--

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

David Fanning wrote:

> yy writes:

>

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>> oPalette -> LoadCT, 13

>> olmage = OBJ_NEW('IDLgrImage', 2ddata, PALETTE = oPalette)

>>

>> oModel -> Add, olmage

>> oView -> Add, oModel

>> oWindow -> Draw, oView

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>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
