
Subject: Re: How to draw IDLgrPlots over IDLgrImages?
Posted by [David Fanning](#) on Thu, 27 Aug 2009 20:03:01 GMT
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nata writes:

> I'm trying to plot some IDLgrPlots above an IDLgrImage. I draw the
> plots firstly and then the image. The image can change.
> If I don't do anything, the image is drawn over the plots and I don't
> want that.
>
> I'm trying to use the ZVALUE property of the IDLgrPlot but I didn't
> succeed. My idea is plot the IDLgrPlots using a different Z value,
> more closer to the EYE of the viewer. If I can do that, my problem
> will disappear.
>
> The View uses an ortogonal projection by default, the Znear and Zfar
> are set to [-1,1] and the eye is in the position 4.
> So, in theory, using the following declaration, all should work
>
> plot=OBJ_NEW('IDLgrPlot', COLOR=..., DATAX=INDGEN(10),DATAY=INTARR
> (10),ZVALUE=0.5, /USE_ZVALUE)
>
> But, the plot is always under the image. Can you help now ?

When you say "above", do you mean "in front of". And
when you say "below", do you mean "behind"? Otherwise,
I'm not sure I understand this conversation. I presume
these positions are in relationship to the eye as you
look at the viewplane rectangle.

If you want the image to be "behind" the plots, it should be
drawn first. This means it needs to be the first object drawn
in whatever model you are putting it into. You can put it in
that position when you add it:

mymodel -> Add, myimage, POSITION=0

This is how the image and plot, for example, are drawn in
XImage, and it works great.

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

Cheers,

David

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David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
