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Subject: Re: Displaying three images simultaneously (using Object Graphics)

Posted by [Antonio Santiago](#) on Tue, 08 Nov 2005 10:20:53 GMT

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Victor wrote:

> I have 3 images (im1,im2,im3) which I need to display on XObjView (or  
> any alternate object graphics viewer). When I tried to add more than 1  
> image to the same graphics object as follows:  
>  
>> myModel = Obj\_New('IDLgrModel')  
>> myModel->Add, im1  
>> myModel->Add, im2  
>  
>  
> IDL complains:  
> "IDLGRMODEL::ADD: Objects can only have one parent at a time:  
> <ObjHeapVar9869(IDLGRCOLORBAR)>"  
>  
> Huh! Okay so to get around this, I created separate objects for the 3  
> images, hoping to add the 3 objects onto the same view as follows:  
>  
>  
>  
>> myModel1 = Obj\_New('IDLgrModel') & myModel1->Add, im1  
>> myModel2 = Obj\_New('IDLgrModel') & myModel2->Add, im2  
>> myModel3 = Obj\_New('IDLgrModel') & myModel3->Add, im3  
>  
>  
> Display these using:  
> XOBJVIEW,myModel1,TITLE=myModel1'  
> XOBJVIEW,myModel2,TITLE=myModel2 '  
> XOBJVIEW,myModel3,TITLE=myModel3 '  
>  
> These obviously plot the three images into 3 separate XObjView windows.  
> I want them to be displayed in the same XObjView window. So I try to  
> add them to a container and display the it in XObjView as follows:  
> myContainer = OBJ\_NEW('IDL\_Container')  
> myContainer->Add,myModel\_1, POSITION=0.1  
> myContainer->Add,myModel\_2, POSITION=0.5  
> myContainer->Add,myModel\_3, POSITION=0.9  
> XOBJVIEW,myContainer,TITLE='All 3 images'  
>  
> IDL complains (This time a nastier one):  
> "XOBJVIEW: IDLGRMODEL::ADD: The ALIAS keyword is only allowed for  
> IDLgrComponent class objects."  
>  
> Looks like XOBJVIEW doesn't even work with IDL\_Container or IDLgrView  
> objects either (I tried that)  
>

```
> Also,  
>  
>> myModel = Obj_New('IDLgrModel')  
>> myModel->Add, [myModel_1, myModel_2, myModel_3], POSITION=[10,20,30]*B  
>> XOBJVIEW,myModel,TITLE='All 3 images'  
>  
> Works, but doesn't give the expected results (just overlays the three  
> images, Position keyword seems to have no effect whatso ever)  
>
```

Try to use the LOCATION keyword on every IDLgrImage object. It works for me. Every image has its particular location (and all three overlaped).

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> I know the following might be useful, but I am not sure how to  
> incorporate them in the above logic (which I'm not even sure is the  
> best approach)  
> 1) "!P.MULTI"  
> 2) "Position"  
>  
> Sorry for the long post. I seem to be lost and would appreciate any  
> insights into this matter. Thanks alot  
>
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