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Subject: Displaying three images simultaneously (using Object Graphics)

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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 whatsoever)

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 a lot

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