
Subject: Re: missing a dimension in IDLgrVolume
Posted by [s\[1\]](#) on Wed, 12 Feb 2003 09:59:03 GMT
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Hey,

it's the minus in the rotator's position, this one will work:

```
Rotator = OBJ_NEW('IDLexRotator', [image_size/2.0, $  
    image_size/2.0], image_size/2)
```

You didn't just copy'n'paste the Viewplane_Rect to the Rotator, did you?
:-)

Sebastian

On Wed, 12 Feb 2003, Thomas Gutzler wrote:

```
> Hey,  
>  
> can anybody tell me, what I'm doing wrong ?  
> I'm comparing the code for 2 hours now and I don't get it.  
> Seems to having lost the z-dimension :(  
> I can rotate the Volume only in 1 dimension but I really need the  
> others, too!  
>  
> here we go (requires IDLexRotator):  
>  
> PRO TDVol_Event, event  
> WIDGET_CONTROL, event.top, Get_UValue=info  
> IF (*info).Rotator->Update(event) THEN $  
>     (*info).oWindow->Draw, (*info).View  
> END  
>  
> PRO TDVol_Cleanup, tlb  
> WIDGET_CONTROL, tlb, Get_UValue=info  
> OBJ_DESTROY, (*info).View  
> OBJ_DESTROY, (*info).oWindow  
> OBJ_DESTROY, (*info).Rotator  
> OBJ_DESTROY, (*info).volume  
> PTR_FREE, info  
> END  
>  
> PRO vol_test  
> image_size=200  
> tmp = BYTSCL(dist(image_size))  
> images = BYTARR(image_size, image_size, 10)
```

```
> FOR i=0,9 DO images[*,*,i] = tmp
>
> View = OBJ_NEW('IDLgrView', Viewplane_Rect=[-image_size/2.0, $
> -image_size/2.0, image_size, image_size])
> RotMod = OBJ_NEW('IDLgrModel')
> Rotator = OBJ_NEW('IDLexRotator', [-image_size/2.0, $
> -image_size/2.0], image_size/2)
> volume = OBJ_NEW('IDLgrVolume', images, $
> XCOORD_CONV=[-image_size/2.0, 1], $
> YCOORD_CONV=[-image_size/2.0, 1], /NO_COPY)
>
> View->Add, Rotator
> Rotator->Add, RotMod
> RotMod->Add, volume
>
> TLB = WIDGET_BASE()
> drawID = WIDGET_DRAW(TLB, XSize=image_size, YSize=image_size, $
> /button_events, /motion_events, graphics_level=2)
>
> WIDGET_CONTROL, TLB, /Realize
> WIDGET_CONTROL, drawID, Get_Value=oWindow
> oWindow->Draw, View
>
> info = PTR_NEW({ View:View, oWindow:oWindow, $
> Rotator:Rotator, volume:volume})
>
> WIDGET_CONTROL, TLB, Set_UValue=info
> XMANAGER, 'TDVol_Viewer', TLB, EVENT_HANDLER='TDVol_Event', $
> CLEANUP='TDVol_Cleanup', /NO_BLOCK
> END
>
>
```
