
Subject: regarding 3D color plot from the output of IDLgrVRML

Posted by [seanjao](#) on Wed, 07 Aug 2013 21:06:16 GMT

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Hi there:

I try to plot a 3D plot by using Object Graphics. My goal is to plot a white 3D sphere on a black background.

Here is the highlight of my code.

```
-----  
omodel = obj_new('IDLgrModel')
```

```
oview = obj_new('IDLgrView',VIEWPLANE_RECT=[-.7,-.15,1.7,1.7], color=[0, 0, 0])
```

```
..... skip the axes part.....
```

```
orb111=OBJ_NEW('orb',pos=[200, 300, 500], radius=0.15, COLOR=[255, 255, 255],  
SHADING=1, STYLE=2, HIDDEN=0)
```

```
omodel->add,orb111
```

```
oview->add,omodel
```

```
;Create the window to display the view
```

```
owindow = obj_new('IDLgrWindow', GRAPHICS_TREE=oview, retain=2)
```

```
owindow->draw
```

```
; ; create your VRML object
```

```
oVRML = obj_new('IDLgrVRML')
```

```
oVRML->setproperty,FILENAME='test.wrl'
```

```
oVRML->draw, oView  
-----
```

The Xwindow does show this orb111 is a white sphere. However, when I use "instant player" (ver 2.3.0) to open this "test.wrl" file, the orb111 is black. Is this problem due to how "instant player" rendering or my code has a bug?

Thanks!

Sean

(Note that I am aware of xplot3d, but I do not like the output. Hence, I try to make my own plot.)
