
Subject: Re: Plot sphere and ellipsoid(oblate,prolate,triaxial) by object graphics
Posted by [Rick Towler](#) on Tue, 07 Mar 2006 17:28:58 GMT
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Danis wrote:

- > I want to draw these figure using by object graphics.
- >
- > I'm not familiar with object graphics.
- >
- > Is there anyone to show me the example code?

Before you do anything you may want to invest in a good book. Ronn Kling's Power Graphics with IDL is a good place to start. You can buy it from his website www.kilvarock.com. Now while you're waiting for that to be delivered...

Read the IDL docs on object graphics. Start at the beginning.

Then make a copy of orb__define.pro and play around with it, along with Antonio's examples. I also offer my RHTgrPSolid object which implements platonic solids in IDL OG. It might be the best place to start since the objects are pretty simple:

www.acoustics.washington.edu/~towler/programs/rhtgrpsolid__define.pro

And you'll definitely want to use xobjview. This little gem deals with all of the view setup so all you need to do is create an object to display.

```
IDL> orb=OBJ_NEW('orb', COLOR=[200,75,75], STYLE=2)
IDL> xobjview, orb
```

Now change some of the properties:

```
IDL> orb->setproperty, STYLE=1
(click on the XOBJVIEW window to update it)
IDL> orb->setproperty, DENSITY=5.
(click on the XOBJVIEW window to update it)
IDL> orb->setproperty, DENSITY=0.5
(click on the XOBJVIEW window to update it)
IDL> orb->setproperty, COLOR=[50,50,250]
(click on the XOBJVIEW window to update it)
```

Now destroy the object.

```
IDL> obj_destroy, orb
```

Have fun!

-Rick
