Subject: Re: simple question about axis Posted by David Fanning on Tue, 25 May 2004 22:35:13 GMT View Forum Message <> Reply to Message

elias writes:

```
> I have a simple question...though I have not been able to solve and it
> is getting on my nerves...
> 1. I drew my 3-D space as follows: It is a cube! Apparently I
> succeded.
> PLOTS, [0,50], [0,0], [0,0], /T3D
> PLOTS, [0,0], [0,50], [0,0], /T3D
> PLOTS, [0,0], [0,0], [0,196], /T3D
> PLOTS, [0,50], [0,0], [196,196], /T3D
> PLOTS, [0,50], [50,50], [196,196], /T3D
> PLOTS, [0,0], [50,50], [196,0], /T3D
> PLOTS, [50,50], [50,0], [0,0], /T3D
> PLOTS, [50,0], [50,50], [0,0], /T3D
> PLOTS, [50,50], [50,50], [0,196], /T3D
> PLOTS, [50,50], [0,0], [196,0], /T3D
> PLOTS, [50,50], [50,0], [196,196], /T3D
> PLOTS, [50,50], [50,0], [196,196], /T3D
> PLOTS, [0,0], [0,50], [196,196], /T3D
> 2. I want to insert my 3-D axis with the z-direction down....I am
> using:
> xaxis = OBJ NEW('IDLgrAxis', 0, RANGE=[0, 49.0], TICKDIR=1)
> yaxis = OBJ NEW('IDLgrAxis', 1, RANGE=[0, 49.0], TICKDIR=1)
> zaxis = OBJ_NEW('IDLgrAxis', 2, RANGE=[0, 195.0], TICKDIR=1)
> But I don't see it at all!!! why? is it because I am calling SCALE 3
> afterwards??
  Scale3, xr=[0,49],yr=[0,49],zr=[0,195],AX=20, AZ=35
>
> 3. I want to freely rotate everything that I have in the ouput image
> window at the sametime with the mouse, in stead of specifying that in
> SCALE3. Is that possible?
Oh, oh. :-(
```

You are trying to combine direct graphics and object graphics which--despite your best efforts--is just not ever going to work. It just plain can't be done.

Try using the AXIS command instead of creating an axis object and see if that doesn't get you further ahead.

```
Cheers,
```

David

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: simple question about axis
Posted by aardvark62 on Wed, 26 May 2004 03:58:12 GMT
View Forum Message <> Reply to Message

Hello, Elias.

Use IDLgrPolyline, IDLgrAxis, and XOBJVIEW. You will be able to spin the result with your mouse.

-Paul Sorenson www.paulsorenson.com

heoa@hotmail.com (elias) wrote in message news:<e920fce6.0405251404.6913d4d9@posting.google.com>...

- > hello!
- > I have a simple question...though I have not been able to solve and it
- > is getting on my nerves...

>

- > 1. I drew my 3-D space as follows: It is a cube! Apparently I
- > succeded.
- > PLOTS, [0,50], [0,0], [0,0], /T3D
- > PLOTS, [0,0], [0,50], [0,0], /T3D
- > PLOTS, [0,0], [0,0], [0,196], /T3D
- > PLOTS, [0,50], [0,0], [196,196], /T3D
- > PLOTS, [0,50], [50,50], [196,196], /T3D
- > PLOTS, [0,0], [50,50], [196,0], /T3D
- > PLOTS, [50,50], [50,0], [0,0], /T3D
- > PLOTS, [50,0], [50,50], [0,0], /T3D
- > PLOTS, [50,50], [50,50], [0,196], /T3D
- > PLOTS, [50,50], [0,0], [196,0], /T3D
- > PLOTS, [50,50], [50,0], [196,196], /T3D
- > PLOTS, [50,50], [50,0], [196,196], /T3D
- > PLOTS, [0,0], [0,50], [196,196], /T3D

>

- > 2. I want to insert my 3-D axis with the z-direction down....I am
- > using:
- > xaxis = OBJ_NEW('IDLgrAxis', 0, RANGE=[0, 49.0], TICKDIR=1)

```
> yaxis = OBJ_NEW('IDLgrAxis', 1, RANGE=[0, 49.0], TICKDIR=1)
> zaxis = OBJ_NEW('IDLgrAxis', 2, RANGE=[0, 195.0], TICKDIR=1)
> But I don't see it at all!!! why? is it because I am calling SCALE 3
> afterwards??
> Scale3, xr=[0,49],yr=[0,49],zr=[0,195],AX=20, AZ=35
> 3. I want to freely rotate everything that I have in the ouput image
> window at the sametime with the mouse, in stead of specifying that in
> SCALE3. Is that possible?
> Thank you!!
> Elias
```