Subject: Re: getting an IDLgrPlot drawn

Posted by Laurens on Fri, 24 Nov 2006 15:12:53 GMT

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I noticed:) Got a line from another ng-posting,

```
info.View->SetProperty, VIEWPLANE_RECT = [-0.1, -0.1, 1.2, 1.2]
```

which fixed a lot:)

I actually see a line being drawn and if that's not enough, I also see an axis (though its ugly huge big, and just goes from 0 to 1 which doesn't correspond to my data).

Without having looked at your xplot example the "normalizing" is done through;

```
info.Plot->getProperty, XRANGE = xrange, YRANGE = yrange
```

```
info.Plot->setProperty, XCOORD CONV = norm coord(xrange)
info.Plot->setProperty, YCOORD_CONV = norm_coord(yrange)
```

I assume that's good enough? Will check your xplot example in a minute...

So Viewplane is not the actual pixels but just from 0.0 to 1.0....hmz...could make sense i guess...

GrtZ, Laurens

I'm so glad I was lucky...feels good to be lucky, though doesn't feel good to be lucky and don't get nothing back for it hehe:)

David Fanning wrote:

> Laurens writes:

>

- >> Now, when I execute this code, I don't get what I want. I get some
- >> strange lines, of which you can view the result at
- >> http://sophorus.mine.nu/idlgrplot_weird.jpg.

- > Humm. Well, I think the problem is that you have a misunderstanding
- > of what you are doing with the Viewplane rectangle. It seems
- > to be you think this might be the size of the window used to
- > view the plot. In fact, it is establishing the coordinate
- > system you plan to use for viewing the plot. Two different
- > things.

- > When I first started with object graphics (and even now, come
- > to think of it) I preferred to set up my coordinate system to

- > go from 0 to 1 (what we refer to in direct graphics as a
- > normalized coordinate system). I was familiar with that
- > system, I knew how to lay things out in a window using
- > that system, etc. But what that means is that all your data,
- > then, has to be scaled so that it fits into that system.
- > Since I did this over and over again, I simply wrote a small
- > routine to do this for me, which I named NORMALIZE.
- > You can see how I would construct a simple plot like you
- > want in the program XPLOT, which you can find on my web
- > page:

>

>

>

>

>

- > http://www.dfanning.com/programs/xplot.pro
- > Notice that I don't bother with a scene object. It is really
- > not necessary unless you plan to have multiple plots in the
- > same window.
- > Cheers,
- > David
- > P.S. The weird lines in your output indicate a mismatch
- > between the data in the plot and the coordinate system
- > you have chosen. Most people don't see anything in this
- > situation, so you are MUCH luckier than most! :-)