
Subject: Re: getting an IDLgrPlot drawn
Posted by [Laurens](#) on Fri, 24 Nov 2006 15:12:53 GMT
[View Forum Message](#) <> [Reply to Message](#)

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, X RANGE = xrange, Y RANGE = 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! :-)
