Subject: Re: Title in iPlot
Posted by K. Bowman on Fri, 20 Oct 2006 13:50:04 GMT
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In article <MPG.1fa1b0da7a5a0cc9989d56@news.frii.com>,
David Fanning <news@dfanning.com> wrote:

> There must be some good reason why the Annotation Layer
> is specified in Normalize coordinates and the rest of
> the Plot stuff is in Data coordinates, but it escapes
> me right now. In any case, having the Plot title in
> normalized coordinates causes the title to bounce
> around quite a bit as you resize the window. It starts
> out just right, then it gets far away again, now it
> jumps right into the plot!

I think the answer here is "3-D plots". When I make a 3-D plot I want the text to stay "on the glass", not rotate with the plot (and the data coordinate system). In some cases you might want the text to rotate with the plot (a la PLOT_3DBOX), but the downside is that the title can be impossible to read from some viewing angles.

I'm not sure what you mean by jumping around. If I zoom the view like this,

```
itool_id  = itGetCurrent(TOOL = itool_obj)
view_1_id  = itool_obj -> FindIdentifiers('*VIEW_1')
rc        = itool_obj -> DoSetProperty(view_1_id, 'CURRENT_ZOOM', 1.25)
itool_obj -> RefreshCurrentWindow
```

the text zooms also. I find this disconcerting, as it changes the "normalized" coordinates, but this is the only way I can find to do this, as VIEW_1 has a "Zoom factor" property, while the visualization layer (apparently) does not.

I suppose a possible solution is to add a second view with only an annotation layer. That view could be left alone when the view containing the data is zoomed.

By the way, wouldn't it be nice if you could use the Visualization Browser or the Property Editor to get the ID's for all of the objects and properties? The Visualization Browser says the property is "Zoom factor", while the actual ID is "CURRENT_ZOOM". The only way I know to find these things is by fooling around with FindIdentifiers

```
viz_ids = itool_obj -> FindIdentifiers('*Visualization Layer*')
PRINT, viz_ids
```

Ken