Subject: Re: Object Graphics plot problem
Posted by btt on Fri, 04 Feb 2005 14:07:42 GMT
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Michael Wallace wrote:

> I have run across a strange problem when I'm working with object
> graphics and have large values on the X axis. It appears that my X axis
> is losing precision when doing the plot.
>

Hi,

Set the DOUBLE keyword for your view and it seems to work. On a different note,
I made the view the graphics_tree for the window - so when i close the window
the objects are nicely cleaned up - very handy feature. I have pasted in the
changes below.

PRO Weirdness

```
   ; Make a nice sine wave
   x = dindgen(360) * !dtor
   y = sin(x)

   ; Uncomment to see a vertical line instead of a sine wave
   ; Add a really big number to X
   x += 123456789

   ; Set up the objects
   view  = Obj_New('IDLgrView',/double)  ;<<<<<<DOUBLE
   model = Obj_New('IDLgrModel')
   plot  = Obj_New('IDLgrPlot', x, y)

   view  -> add, model
   model -> add, plot

   ; Set plot scaling factors and viewplane
   plot -> getProperty, XRANGE = xrange, YRANGE = yrange
   plot -> setProperty, XCOORD_CONV = norm_coord(xrange)
   plot -> setProperty, YCOORD_CONV = norm_coord(yrange)

   view -> setProperty, VIEWPLANE_RECT = [-0.1, -0.1, 1.2, 1.2]

   ; Display the plot
   window = Obj_New('IDLgrWindow', graphics_tree = view) ;<<<<< TREE
   window -> draw, view
END
```

Subject: Re: Object Graphics plot problem
Posted by Michael Wallace on Fri, 04 Feb 2005 15:49:13 GMT

> Hi,
>
> Set the DOUBLE keyword for your view and it seems to work. On a
> different note, I made the view the graphics_tree for the window - so
> when i close the window the objects are nicely cleaned up - very handy
> feature. I have pasted in the changes below.

Wow! I'm always amazed at how IDL has included what you need, but
finding it is like finding a needle in a haystack. It's a good thing
that I asked the question, because it would have been a long time before
I'd have discovered the DOUBLE keyword on the view. Thanks.

-Mike