Posted by KRDean on Fri, 25 Feb 2011 19:31:37 GMT View Forum Message <> Reply to Message On Feb 25, 6:32 am, George Millward <george.millw...@noaa.gov> wrote: > Hi there. > > I am trying to convert a bunch of old direct graphics programs to > objects. > These programs are all called by a cronjob/script so work in the > background (no interactivity or windows produced). > In essence they use this: > > set_plot,'z' > write_png > I now realize that I've never seen an example of object graphics > working in a similar way - all object > examples seem to be embedded in widgets and the like - based on human > interactivity. > > I assume I can do this in object graphics? Does anyone have a simple example of how this is done? > > Cheers > George. Below is an example using IDLgrBuffer. Kelly Dean Milliken, CO ;+ @file comments <P>Use object graphics to draw polygon with IDLgrBuffer as the destination object. PRO BufferOBJ ; Prepare a polygon (Hypocycloid) scale = 2.0cusp = 3.0

Subject: Re: scripted object graphics question

direct = 45.0 * !DTOR

```
xrad = INDGEN(360) * !DTOR
yrad = INDGEN(360) * !DTOR
x = scale * ( ( cusp - 1.0 ) * COS( xrad ) - direct * $
          COS( ( cusp - 1.0 ) * xrad ) ) )
y = scale * ( ( ( cusp - 1.0 ) * SIN( xrad ) + direct * $
          SIN((cusp - 1.0) * xrad)))
deltoid
         = FLTarr(2, 360)
deltoid[0,*] = TEMPORARY(y)
deltoid[1,*] = TEMPORARY(x)
; Add polygon to object graphics.
vp_rec = [ -15.0, -15.0, 30.0, 30.0 ]
navy = [0.0.128]
dims = [80,80]
oDest = OBJ_NEW( 'IDLgrBuffer' )
oDest -> SetProperty, DIMENSIONS = dims
oView = OBJ NEW( 'IDLgrView', VIEWPLANE REC = vp rec )
oModel = OBJ_NEW( 'IDLgrModel' )
oEvolute = OBJ_NEW( 'IDLgrPolygon', COLOR = navy )
oEvolute -> SetProperty, DATA = deltoid
oModel -> ADD, oEvolute
oView -> ADD, oModel
oDest -> DRAW, oView
; Retrieve image from destination object.
oDest -> GetProperty, IMAGE_DATA = img3
; Heap variable clean up.
OBJ DESTROY, oEvolute
OBJ DESTROY, oModel
OBJ DESTROY, oView
OBJ DESTROY, oDest
; Save image as JPEG
outfile = 'c:\temp\cycloid.ipg'
WRITE_JPEG, outfile, img3, TRUE=1, QUALITY=100
PRINT, STRING( outfile, FORMAT ='( " -- All done : ", A0 )')
END
```