Subject: Re: IDLgrWindow Pickdata on an IDLexObjView Obect.
Posted by Dick Jackson on Mon, 11 Jun 2001 20:38:34 GMT
View Forum Message <> Reply to Message

Hi Don,

"Don J Lindler" <lindler@rockit.gsfc.nasa.gov> wrote ...
> Does anyone have any suggestions on how to get the correct 3-D position
> using the Pickdata method for an IDLgrWindow object which is displaying an
> IDLexObjView. Pickdata correctly finds the objects but returns incorrect
> x,y,z values. I am trying to modify xplot3d.pro to return the x,y, and z
> coordinates of a IDLgrPolyline displayed using Orbs for each datapoint.

I've used this a lot, with good results. I'm not sure where you are calling
the PickData from, but here is one point to note. You should either:

1) call PickData passing the primitive graphic object itself, retrieved
   using Select:

oSel = oWindow -> Select(oView, [event.x, event.y]) ; returns object array

IF Size(oSel, /TName) EQ 'OBJREF' THEN BEGIN ; no selection returns -1

  pick = oWindow-> PickData(oView, oSel[0], [event.x, event.y], dataXYZ)

ENDIF

or:

2) call PickData passing the "innermost" model that contains the object
   directly (note: in an IDLexObjView, it is that view's oModel3 that
   contains added non-stationary objects, and this model can only be
   accessed inside a method of IDLexObjView or a subclass of it.
   IDLexObjView::Update is a good place to use this)

"self" would be the instance of IDLexObjView:
pick = oWindow -> PickData(self, self.oModel3, [event.x, event.y], dataXYZ)

Hope this helps!

Cheers,
--
-Dick

Dick Jackson   /   dick@d-jackson.com
D-Jackson Software Consulting /   http://www.d-jackson.com
Calgary, Alberta, Canada   / +1-403-242-7398 / Fax: 241-7392