Subject: Re: Zooming in Object Graphics
Posted by Pavel A. Romashkin on Thu, 21 Dec 2000 19:34:23 GMT

I am not helping with keeping the can of worms open, I hope. After all,
I am always open for an ig-nock. Anyway, I have tried both messing with
viewplane rectangle and with coord_conv, and for my degree of dumbness,
the coord conversion was much easier. With the Viewplane_rect approach I
finally zoomed to where I did not see anything at all in my Display, and
could not bring the contents back even manually. I am planning to dive
into Direct Coordinate Object Graphics realm, but for now the coord_conv works.
In fact, for the 2D case I have written a simple IDLgrPlot method that
zooms in and out, and all you have to do is give it the mouse press and
relase coordinates. It can be found at
http://spot.colorado.edu/~romashki/idl/IDLgrPlot__zoom.pro (talking
about exclusively named methods! :-).
I am not trying to say its good, but its fast and short. All you have to
do is get mouse click coords and call ZOOM method on any of the
IDLgrPlots in the current Model. Everything that pertains to the Plot
(axes, other plots) gets rescaled appropriately, new Coord_convs are
returned to you, etc.

Cheers,
Pavel