Subject: Re: Setting ranges on surfaces Posted by davidf on Thu, 17 Sep 1998 07:00:00 GMT

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Mirko Vukovic (mirko_vukovic@notes.mrc.sony.com) writes in response to an article by Richard Hunt about restricting the range of the surface display:

- > The only way I could get around that feature is to do a surface plot of:
- > (z>zmin)<zmax

Good answer, but to the wrong question I'm afraid. It is not really the Z data we want to clip, it is the X and Y *locations* of the Z data. This implies (and, frankly, this is probably why the [XY]Range keywords don't work) that the Z data is tied to the X and Y range vectors. I'm guessing that in fact the Z data has nothing to do with those vectors, but exist independently of them. That is why changing the XRange definitely affects the X axis, but not the surface plot itself. In fact, IDL doesn't care what *values* you put in the X axis vector, only that it has as many elements as the X dimension of the Z data. The scaling of the axes and the Z data must exist totally independently of one another.

David			
Cheers,			

Fanning Software Consulting

David Fanning, Ph.D.

E-Mail: davidf@dfanning.com

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