Subject: IDL 4.0.1: How to "fill" volume inside isosurface?
Posted by Daniel Meisel on Tue, 19 Mar 2002 09:32:29 GMT

How can I coax IDL 4.0.1 to show an isosurface as if the volume inside
would be filled? It should look like a solid and not a hollow thing.

The data is a 3-D-fltarray filled with floating point skalars with
values between 5 and 15: data=fltarr(80,80,80)

In this special case the values inside the isosurface are higher than
outside.

I tryed the following two ways:

1.) close the openings due to the cutting with the faces of the unit
cube with a filled
    contour plot
    - but how to adjust the filling colour of the contour plots to the
shading of the
     isosurface?

2.) to "digitalise" the fltarray, i. e. make an 3-d-intarray filled with
0 at the
    places, where the value of data is LT "threshold" and filled with 1
where the value
    of data is GE "threshold"
     - but the shade_volume command produces a bad "poly" for the
polyplot.

I would be happy about any advice

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