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

Daniel Meisel
