Subject: Re: Interpolation

Posted by stl on Fri, 03 Jun 1994 08:14:33 GMT

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In article <2sl5qo\$h1q@apakabar.cc.columbia.edu> jun@eureka.phys.columbia.edu (Jun Xu) writes:

- > I am using IDL to process and display 3D data. At some stage, I have to
- > interpolate a volume p=p(x,y,z) or a surface z=z(x,y) defined on an irregular
- > grid onto a regular grid. Does any one know any IDL program that has this
- > capability?

hi,

Well, it depends on how mathimaticly correct you need this stuff. I believe you could do some very very complicated stuff here, but there is a relatively simple solution.

Use the trigrid and triangulate procedures in IDL. In the Reference manual, there is a good example in the Trigrid section of how this works.

-hope this help (sorry, but I am no mathimatician. Cannot spell fro squate either!)

-stephen

--

Stephen C Strebel / SKI TO DIE stl@maz.sma.ch / and

Swiss Meteorological Institute, Zuerich / LIVE TO TELL ABOUT IT

01 256 93 85 / (and pray for snow)