
Subject: Re: Cross-section

Posted by [David Fanning](#) on Tue, 03 Aug 2004 12:59:51 GMT

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Einar M. Einarsson writes:

- > I have some meteorological data in 3d arrays and want to be able to
- > plot crosssections out of these arrays in any direction. That is in an
- > "ideal IDL world" I would have a procedure like this:
- >
- > Cr_sect=get_a_cross_section_procedure(start_point, end_point)
- >
- > Where data is a 3d array, lets say (100,200,40) and then start_point
- > would be eg. [60,70] and end_point [90,180] that is I want an array
- > out of this procedure that would represent that non perpendicular line
- > in the data array.
- >
- > Does anybody know about a IDL tool that I can use to do this?

Here is an article that illustrates how to create an arbitrary profile between two points in a 2D array. I think all you will have to do is extend the concept to 3D.

http://www.dfanning.com/ip_tips/image_profile.html

Cheers,

David

P.S. Please be sure to send me the details when you get this done so I can update my article. :-)

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
