
Subject: Re: Problem with CONTOUR

Posted by [davidf](#) on Wed, 28 Jul 1999 07:00:00 GMT

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Haje Korth (hkorth@lanl.gov) writes:

> I have a problem with the CONTOUR routine and I need some experts help!
> I have a 2-D data array with missing values marked as -1.0e20. Doing a
> contour plot I use the MIN_VALUE keyword and set it to -1.0e10. The
> result is that contours stop, once they reach the missing data region.
> This is how it should be. As a next step I want to get the paths of the
> contours (with PATH_XY and PATH_INFO) and there starts the problem:
> Using the MIN_VALUE keyword seems to eliminate all contours that touch
> the missing data region. If I omit the MIN_VALUE keyword, the contours
> run along the missing data region and connect with contours of the same
> value somewhere else. This is though what I need to avoid.
> Thus the question is: Is there a way to obtain the paths data exactly as
> they are plotted in the first described case?

Humm. Don't know. And don't have time to test this idea,
but have you tried setting the missing values to !Values.F_NAN?
I can't imagine this would help, but with software you can
never be sure. :-)

Cheers,

David

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