Subject: Problem with CONTOUR
Posted by Haje Korth on Wed, 28 Jul 1999 07:00:00 GMT
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Good morning everybody,
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?
I hope this wasn't too confusing to understand and if you had similar
problems and know an answer, please let me know!!!

Thanks a lot,
Haje

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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:

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> 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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