Subject: Re: TRIGRID co-linearity problem
Posted by Roman Schreiber on Wed, 09 May 2001 08:25:12 GMT
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I had a similar problem few weeks ago. Without going into details
I tried a "brute force" approach adding to x and y geographical
coordinates small random parts (about 0.0001 * coordinate value).
Error disappeared and the resulting contour plot was OK.
But it does not of course explain the reason for the peculiar
behavior of trigrid procedure...

Christopher Davey wrote:
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> The triangulation( ) procedure works just fine, but In my call to
> trigrid( ), I get an error that I cannot figure out: "Points are
> co-linear, no solution."

Regards

Roman Schreiber

schreibe@ncac.torun.pl

Subject: Re: TRIGRID co-linearity problem
Posted by Christopher Davey on Wed, 09 May 2001 21:54:12 GMT
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Roman,

I went ahead and tried doing what you recommended, using the randomu or
randomn functions to add random parts to my latitude and longitude
arrays. But I am still getting a co-linear error from trigrid. Are you
somehow determining specifically which x (longitude) and y (latitude)
points are co-linear and then adding the random perturbations to these
points only?

Roman Schreiber wrote:

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> Roman Schreiber
>
> schreibe@ncac.torun.pl
