
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:

> 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:
>>
>> 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
>
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