Subject: TriGrid?
Posted by John D. Sample on Fri, 07 Jan 2000 08:00:00 GMT
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This built-in procedure seems to have a bug when regularly gridded data
is passed in.

I'm trying to create a generic graphing routine which accepts regularly, or
irregularly-gridded data, so I run every thing through TRIANGULATE followed
by TRIGRID, and frequently find the x or y values set to zero on the borders
of the plot region. Randomly changing NX or NY seems to be a manual
work-around.

Any similar experiences or suggestions?

Chip Sample

Subject: Re: TriGrid?
Posted by marc schellens[2] on Sun, 16 Jan 2000 08:00:00 GMT
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"John D. Sample" wrote:
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>
> Chip Sample

I made similar experience, but in my case the triangulate routine works
wrong. And as only solution I add some random values to x and y
parameters.
With some data the triangulate routine even stops the whole idl session
(no Ctrl-C).

greetings,
:-) marc

Subject: Re: TriGrid?
Posted by davidf on Thu, 20 Jan 2000 08:00:00 GMT
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Chip (sample@idcomm.com) writes:

> Eventually I learned that TRIGRID accepts irregularly-gridded data
> but assumes the data is spread over a rectangular domain. My data
> was actually on a regular grid but limited to a quarter circle. TRIANGULATE
> and TRIGRID don't work in this case.

I'm not from Missouri, but I would have to see this to
believe it. :-)

I'm certain you end up with a rectangular array, but
I can't see why it wouldn't handle data in a quarter
circle.

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438 E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Toll-Free IDL Book Orders: 1-888-461-0155

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Posted by John D. Sample on Thu, 20 Jan 2000 08:00:00 GMT
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Chip

In article <3881CF06.BC372778@hotmail.com>, marc schellens
<marc@postman.riken.go.jp> wrote:

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