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.

Chip

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

> "John D. Sample" wrote:
>>
>> 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
>
> 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