
Subject: Re: Problem about TRIANGULATE
Posted by [Spon](#) on Fri, 08 Feb 2008 10:05:10 GMT
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On Feb 8, 8:49 am, qunjie0...@163.com wrote:

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> HALLO:
> I wanted to interpolate the irregularly data (satellite data) to
> regularly_gridded data, and used TRIANGULATE and TRIGRID function ,but
> after run the .pro ,there was a problem:
>
> Attempt to store into an expression: <FLOAT   Array[912]>.
> Execution halted at: HALOE_TRIGRID   176 E:\haloe\haloe_trigrid.pro
>           $MAIN$
> MY CODE:
> fidr=ncdf_open('h:\haloe\HALOE_Version19_sr_2004_03.nc')
> varid=ncdf_varid(fidr,'latitude')
> ncdf_varget,fidr,varid,lat
>
> varid=ncdf_varid(fidr,'longitude')
> ncdf_varget,fidr,varid,lon
>
> varid= ncdf_varid(fidr,'theta')
> ncdf_varget,fidr,varid,theta
> ncdf_close,fidr
>
> index_theta=where(theta[0,*] ne 1.00000e+024)
> TRIANGULATE, lon[0,index_theta], lat[0,index_theta],
> Tri,sphere=s,fvalue=f,/degrees
> grid_data = trigrid(f,[2.5,2.5],[0,-80,357.5,80],sphere=s,/degrees)
> .
> .
> .
> What's the problem? Please help me!
> thanks!
```

Have a look at:

http://groups.google.com/group/comp.lang.idl-pvwave/browse_thread/thread/1ca56b9c2bcad51/58a5fe20a6d16341?lnk=gst&q=Attempt+to+store+into+an+expression+triangulate#58a5fe20a6d16341

It boils down to having to define the x, y and fvalue variables before passing them to triangulate so they can be sorted properly.

Take care,
Chris

Subject: Re: Problem about TRIANGULATE

Posted by [qunjie0111](#) on Sat, 09 Feb 2008 13:29:00 GMT

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> On Feb 8, 8:49 am, qunjie0...@163.com wrote:

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>> fidr=ncdf_open('h:\haloe\HALOE_Version19_sr_2004_03.nc')

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>> ncdf_varget,fidr,varid,lat

>

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>> ncdf_varget,fidr,varid,lon

>

>> varid= ncdf_varid(fidr,'theta')

>> ncdf_varget,fidr,varid,theta

>> ncdf_close,fidr

>

>> index_theta=where(theta[0,*] ne 1.00000e+024)

>> TRIANGULATE, lon[0,index_theta], lat[0,index_theta],

>> Tri,sphere=s,fvalue=f,/degrees

>> grid_data = trigrid(f,[2.5,2.5],[0,-80,357.5,80],sphere=s,/degrees)

>> .

>> .

>> .

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>

> Have a look at:http://groups.google.com/group/comp.lang.idl-pvwave/browse_thread/thr...

>

> It boils down to having to define the x, y and fvalue variables before

> passing them to triangulate so they can be sorted properly.

>

> Take care,

>

Thank Spon for your guidance, I am tring.
