Subject: Re: TRIANGULATE's bug?
Posted by Pachacoti on Tue, 17 Nov 2015 01:44:57 GMT
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David,

Thank you for your reply. I followed the solution section you wrote, and it did solve the case I mentioned here. However, it fails to solve the actual one I'm working, however I tweak TOLERANCE. I put values of rad at http://tinyurl.com/ow5zp2f and values of theta at http://tinyurl.com/ok3nvb9. Anyone who is interested may feel free to play with them. Hopefully this has nothing to do with mac, win or linux...

Cheers, Pachacoti

On Monday, November 16, 2015 at 4:24:21 AM UTC-8, David Fanning wrote:
> Pachacoti writes:
>
>>
>> Hi,
>>
>> I'm really confused by TRIANGULATE. I got an error message with the following commands:
>>
>> IDL> theta=dindgen(360L)
>> IDL> rad=dindgen(500L)
>> IDL> xpol=rad#cos(theta/1.8d2*!dpi)
>> IDL> ypol=rad#sin(theta/1.8d2*!dpi)
>> IDL> triangulate,xpol,ypol,tri
>> % TRIANGULATE: Points are co-linear, no solution.
>> % Execution halted at: $MAIN$
>>
>> However, the following works:
>> IDL> xpol=rad#cos(float(theta/1.8d2*!dpi))
>> IDL> ypol=rad#sin(float(theta/1.8d2*!dpi))
>> IDL> triangulate,xpol,ypol,tri
>> IDL> help,tri
>> TRI LONG = Array[3, 358920]
>>
>> My intention is to convert a polar coordinated image to a Cartesian projected one. I'm faced with this when trying to convert float to double. Could anybody shed some light on this? How should I correct? Thx in advance.
>
> There is a discussion of this problem, with a possible solution, in this
> article, in The Solution section:
>
> http://www.idlcoyote.com/code_tips/usegriddata.html
>
> Cheers,
>

> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")
