Subject: TRIANGULATE's bug?
Posted by Pachacoti on Mon, 16 Nov 2015 05:44:43 GMT
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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.

Cheers, Pachacoti