
Subject: plots

Posted by [ashraf](#) on Fri, 02 Mar 2007 12:01:07 GMT

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Hello,

I have col and row coordinates of a polygon that I would like to plot on an image using PLOTS function, but the data is noncontiguous, how can I re-arrange the data so that it is contiguous, i.e. starting from an arbitrary point on the polygon, the next point is the one connected to the first point say by moving anticlockwise and so on. Otherwise is there another function in IDL that can plot noncontiguous data over an image?

Thanks.

ashraf.

Subject: Re: plots

Posted by [David Fanning](#) on Tue, 06 Mar 2007 16:07:53 GMT

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ashraf writes:

> again I must stress that these are noncontiguous but discreet
> coordinates which form a closed polygon, for example let
> x = [0,1,1,0,0,2,2,2]
> y = [0,1,2,2,1,0,1,2]
> These points can be uniquely re-arranged as
> x = [0,1,2,2,2,1,0,0]
> y = [0,1,0,1,2,2,2,1]
> to form a closed non-intersecting outline. My question is how can I re-
> arrange these points efficiently?

Ashraf,

I think if you sit down with a piece of graph paper and these points in front of you, it will not take you two minutes to realize that you can easily build *at least* two or three "unique" arrangements of points that form closed non-intersecting outlines.

No amount of wishing will make this so. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
