
Subject: Re: Regarding the Fit_Ellipse Program

Posted by [plim.dreaming](#) on Thu, 28 Feb 2008 13:46:39 GMT

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- > May ask again what are your starting points, before you do the contour?
- > How are these points defined? I have this feeling that there may be a
- > much
- > simpler way...
- >
- > Paolo

Hi Paolo and David,

Hummm, well, before I do the contour I just have a square field full of points, so a big array of x,y (this is input data, I do not choose the locations of these points, I read them in from a file), and to each point I have a density-value attributed, rho. The points are not in a matrix, they are randomly distributed in the field, so I do a:

```
contour,rho,x,y,levels=level,triangulation=tri,path_xy=polic ons2,path_info=infocons2,/
path_data_coords,/path_doublt,/noerase,/data
```

That provides me with the xy positions of the vertices of several different contours in the field all of which have the same density level. For each contour I want to fit and plot an ellipse and obtain the parameters.

Hope this helps,

Bruno
