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Subject: finding cluster boundary

Posted by [biophys](#) on Wed, 08 Feb 2012 21:41:11 GMT

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Hi, Folks

I've got a collection of 2D points that have already been identified as a cluster. Is there a quick way to extract the boundary points of the cluster? I understand the easiest way is to use TRIANGULATE procedure to get the boundary points in counterclockwise order. However, the points returned are like a convex envelope of the cluster which does not represent the real shape of the cluster. It looks like that I might need to specify that the edge of the boundary polygon can not be larger than a certain length. Any suggestions?

Thanks a lot,  
BP

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```
TRIANGULATE, X, Y, Triangles, B
plot, X, Y, psym=1, color=color
plots, X[B], Y[B], color=color
plots, X[B[0]], Y[B[0]], color=color, /continue
```

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