Subject: Re: finding cluster boundary
Posted by Kenneth P. Bowman on Wed, 08 Feb 2012 23:51:20 GMT
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In article <a3d4e3c3-b379-48fb-aea9-e98ed9af35e5@n8g2000pbc.googlegroups.com>,
 biophys <biophys@gmail.com> wrote:

> 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?

I don't think there is a unique definition of the 'boundary points'
in the way you are asking.  How do you decide whether the boundary
should detour to an interior point or not?

Ken Bowman