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Subject: Re: perimeter measurement in idl  
Posted by [davidf](#) on Mon, 18 Jan 1999 08:00:00 GMT  
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L. Charles Burgwardt (burgwardt@kodak.com) writes:

> I'm looking for a perimeter measurement routine written in IDL. I have a  
> binary image. The output could be in any units such as pixel perimeter,  
> crack perimeter, or line segment. A boundary following routine would be  
> good also, ie ordered list of boundary pixels.

The Triangulate command in IDL can give you an ordered list  
of boundary pixels, arranged in counterclockwise order.  
(This is also known as the "convex hull".)

Triangulate, x, y, triangles, boundaryPoints

You may have to convert the pixel locations of your  
selected region into 2D coordinates to make this work.  
You can use this article on my web page to see  
how to turn 1D indices (i.e., like those returned  
by the WHERE function) into 2D locations:

[http://www.dfanning.com/tips/where\\_to\\_2d.html](http://www.dfanning.com/tips/where_to_2d.html)

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>  
Toll-Free IDL Book Orders: 1-888-461-0155

[Note: This follow-up was e-mailed to the cited author.]

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