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Subject: Re: Compute area between curves

Posted by [ben.bighair](#) on Sun, 12 Oct 2008 22:59:40 GMT

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On Oct 12, 5:35 pm, frankosuna <frankos...@gmail.com> wrote:

> I am trying to calculate how much of an error there is between two  
> rings. I have two images each with a ring pictured in these two  
> images.  
>  
> This is from a wireframe generated from a 3d model. The edge is  
> selected by the user and region growing is used to extract that ring.  
>  
> <http://frankosuna.googlepages.com/wireframe2.jpg>  
>  
> This other one is from an edge detected image of Saturn. All the  
> rings are edge detected and the same ring clicked on the first image  
> is clicked on this one. Region growing is done to extract just that  
> one ring.  
>  
> <http://frankosuna.googlepages.com/edgeDetect2.jpg>  
>  
> I have the x and y values for each pixel that make up the ring

Hi,

Given that you have the [x,y] coordinates for the rings, why don't you try using IDL's built-in INT\_TABULATED which should be fine for your task.

As James points out, you'll need to know how the two curves are registered in the images. If you can't "line up" comparable x locations then you have a serious problem.

Cheers,  
Ben

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