Subject: Re: find area under a curve for comparison of two Saturn rings
Posted by Jeremy Bailin on Fri, 10 Oct 2008 14:04:17 GMT
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On Oct 9, 12:59 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
>
> There is some error in the location of these two rings. I need to
> compute what the difference is between both. I'm not too sure what
> the best and easiest way would be to do this in IDL.
>
> Any suggestions are welcome.
>
> Thanks,
>
> Frank

I'd say something like do a cross-correlation via an FFT and see where the peak ends up.

-Jeremy.