
Subject: Re: Edge detection for saturn's rings
Posted by [David Fanning](#) on Wed, 16 Jul 2008 03:02:54 GMT
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frankosuna writes:

- > I've been trying to use some of the built in edge detection routines
- > implemented in idl such as sobel but I haven't found a very good one
- > that will work for images such as this:
- >
- > <http://frankosuna.googlepages.com/supportImage.jpg>
- >
- > I am trying to pull out all of the rings in this image and the best I
- > have gotten is this:
- >
- > <http://frankosuna.googlepages.com/edgeDetect.jpg>
- >
- > Any suggestions and opinions are welcome.

Andrew Cool points out to me that as a backyard astronomer, he is always interested in this kind of thing, and that the CANNY edge detection routine is often the best one for this kind of separation. Oddly, though, there is no mention of the CANNY routine under "Edge Detection" in either the IDL 6.4 or IDL 7.x on-line help! An oversight we hope someone at ITTVIS notices.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
