Subject: Re: How to detect edge of an image in IDL?
Posted by David Fanning on Mon, 30 Jun 2003 13:26:57 GMT
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TIAN Yunfeng writes:

> I wonder if there are routines doing edge detection in IDL. I look
> through the IDL Online Help, and only find two simple edge enhancement
> functions (sobel & roberts). I want to use Gauss-Laplacian or Canny
> edge operators to get binary edge images. Does someone have any ideas?

You can use the CONVOL function to implement Laplacian
edge detection in IDL. You can find a very simple
example of using Laplacian edge detection to sharpen
an image in this article:

http://www.dfanning.com/ip_tips/sharpen.html

I've never used a Canny filter in IDL, but I think
it could be created if you can't find someone who
has already done it. I suspect both the Gauss-Lbplacian
and the Canny filters are two step processes in which
a gaussian filter is applied, followed by the Laplacian.
You ought to be able to do both with the CONVOL function.

Cheers,

David

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