
Subject: Re: Three questions

Posted by [David Foster](#) on Wed, 08 Apr 1998 07:00:00 GMT

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biomedical wrote:

- >
- > Three questions:
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- > 1: what is 'sharp' function to images, or 'sharpening'?
- > what is 'unsharp' ? how to do them in IDL?

These are just basic filtering techniques, to enhance either low-frequency or high-frequency information in the image. You can use convolution (CONVOL) with specialized kernels to perform both.

- > 2: how to read 1-bit Tiff (mono) file?
- > 3: how to do the Matlab image processing, please take a look at:
- > <http://www.mathworks.com/demos/toolbox/image/ipss0011.html>
- > how to removes the minor regions, skeletonize, ...

Get a good book on image processing, and look into Convolution (IDL's CONVOL) as a means to do filtering, edge detection, feature removal, etc. The BW* Matlab routines are very specialized functions, from the Image Processing toolbox I would guess; I'm not sure IDL has anything like that. But do look into LABEL_REGION, ROBERTS, SOBEL, SEARCH2D, ERODE, DILATE.

IDL can be used to do what the slide show does, but will require some coding. When you get a better idea of what you need, ask the newsgroup again, and be more specific. I'm sure someone has coded some of these tasks.

Dave

- >
- > Thanks, please do NOT send me emails, just post here.
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- > Chester

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