
Subject: Re: ROI application...

Posted by [David Fanning](#) on Wed, 02 Oct 2002 20:11:42 GMT

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Richard Tyc (richt@sbr.ca) writes:

- > Which tools, functions objects etc could be used to the following image
- > processing task:
- >
- > Highlight a region within an image with a solid color based on a signal
- > value range and then create a boundary line around this region (ROI). We
- > hope to use IDL to perform what an existing medical workstation does for one
- > specific task - highlight a region within a greyscale MRI image (eg. a
- > tumour) to generate a boundary curve based on the relative intensity of the
- > pixels associated with the ROI.
- > Lets say the tumor represented pixel intensity levels of 155-200. If we set
- > all pixels in this range to be red, we then need to generate a boundary
- > curve outlining this 'red' region.
- >
- > Could IDLgrROI and LABEL_REGION do this ?

Probably, but it might be slow. If your region is contiguous, and you want to have a boundary line around it, then this Find_Boundary program on my web page works nicely for me. (The Contour command is another alternative.)

http://ftp.dfanning.com/pub/dfanning/outgoing/misc/find_boundary.pro

Cheers,

David

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