Subject: Re: ROI application... Posted by David Fanning on Wed, 02 Oct 2002 20:11:42 GMT View Forum Message <> Reply to Message

Richard Tyc (richt@sbrc.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 boun dary.pro

Cheers,

David

David W. Fanning, Ph.D.

Fanning Software Consulting, Inc.

Phone: 970-221-0438, E-mail: david@dfanning.com

Coyote's Guide to IDL Programming: http://www.dfanning.com/

Toll-Free IDL Book Orders: 1-888-461-0155