Subject: Re: Three questions Posted by David Foster on Mon, 13 Apr 1998 07:00:00 GMT View Forum Message <> Reply to Message

biomedical wrote:

Thanks a lot for your help. It's really a great help

>

- > My purpose is to do the auto segmentation of the medical images,
- > you must have a lot of experience. The original images are not binary,
- > they are all kinds of medical image formats, some are color photos (for
- > wound healing). I want to output the auto-segmentation results in
- > either ROI(lines connected by points) or binary tiff images (
- > encoded by run-length).

If you're working with medical images you might want to check out my library of functions/programs available at:

ftp://bial8.ucsd.edu pub/software/idl/share

The README file lists the files with short descriptions. There should be routines you could use. Also, we do semi-automated segmentation of brain MRI scans, using a regression analysis which is seeded with samples chosen by the user. If you want, email me and I can send you more info on our technique.

I would recommend saving the segmentation results as either:

- 1) ROI: list of indices into array; this will allow faster access than a list of vertices or lines would.
- 2) GIF images

Note that you can use POLYFILLV() with the RUN_LENGTH keyword to return the indices of a polygon in run-length form.

Dave

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