
Subject: Re: Three questions

Posted by [David Foster](#) on Mon, 13 Apr 1998 07:00:00 GMT

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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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David S. Foster      Univ. of California, San Diego  
Programmer/Analyst   Brain Image Analysis Laboratory  
foster@bial1.ucsd.edu   Department of Psychiatry  
(619) 622-5892      8950 Via La Jolla Drive, Suite 2240  
La Jolla, CA 92037  
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