
Subject: contouring the CT slice

Posted by [Murat Maga](#) on Sun, 04 May 2003 23:17:19 GMT

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Hi All,

I have serial cross sections of some long bones, which I would like to calculate centroids and mass moments of inertia for each slice.

The steps I have managed to do so far:

- 1.) Read the stack as a three dimensional volume:
- 2.) Calculate a threshold for segmenting the data
- 3.) Get the internal and external contours with contours function.

The problem, when I look at the values of PATH_XY with PATH_DATA_COORDS option, those are combined points of two contours. So sorting them out becomes quite tricky.

The reason I need those points, I have somebody else's fortran routine to calculate moments based on individual points and it needs two separate inputs...

So the first question what else I can use other than contour procedure to get the coordinates of external and internal contours? And what may be a better way to approach this problem?

Thanks for your time,

Murat
