
Subject: Re: Label_region and Erosion

Posted by [Struan Gray](#) on Wed, 04 Nov 1998 08:00:00 GMT

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Lisa Bryan, lbryanNOSPAM@arete-az.com writes:

- > Lastly, I wan't to apply a median filter (and possible other filters)
- > to some sections of my surfaces but not others (all irregular shapes).
- > I imaging I'll have to write my own procedure where I pass over my
- > data with a filter and a masking function to exclude certain areas.
- > Has anyone already done this? Am I missing an easy way to do this?

I haven't used the morphological functions much so can't comment on that, but when playing with masked filtering I have found that it is easiest to filter a copy of the whole dataset and then use the mask to pick out the parts you actually wanted and insert them into the original data. For my sorts of data the time penalty incurred by filtering everything is more than compensated for by the generality of the procedure (multiple, oddly shaped, reentrant regions are handled transparently) and it's programming simplicity. You also have a nicely behaved default behaviour for how boundary values are dealt with when using filters of various widths.

Struan
