Subject: Watersheds and Label_Region for 1d
Posted by Ben Tupper on Thu, 06 Jul 2000 07:00:00 GMT

Hello,

I want to perform something similar to the WATERSHED function but on a
1d vector rather than an 2d array. Ultimately,
I want to separate overlapping cells in digital images of plankton.   It
is possible to perform a watershed operation
on one of my 2d images... but I am hoping to kill a number of bird's
with one stone by performing a watershed on a horizontal
profile of an image.

In order to do this I need to mimic the LABEL_REGION function on a
vector.   I can think of a number of
ways of doing this... but they seem computationally expensive (lots of
WHERE's and connectedness checking.)

Am I reinventing the wheel?   If so, where should I look for existing
routines? (I have checked the usual caches of
routines available from David F's links page.)

Thanks,

Ben

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