Subject: filtering problem
Posted by Dave Brennan on Thu, 16 Nov 2000 08:00:00 GMT
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Hi,

i don't know if anyone can help but it's worth a try!

I am trying to filter an array say (256x256) with a window of size 65x65 which scans across the array pixel by pixel. It should compare the statistics of the area within the kernal with the global statistics of the image to produce a correction image. (This is a particular type of inhomogeneity correction)

In detail: 'the algorithm should correct the pixel value by a multiplicative factor found by dividing the global mean by the window mean'
A further problem is I want the ability to set a threshold where data below the threshold are not included in the statistics and not corrected by the algorithm.

At first I though I could just use convol to produce a correction map but this does not allow me to set a threshold.

Does anyone have any ideas? It needs to be as fast as possible as it will work on 128 images at a time.

Cheers

Dave Brennan