
Subject: Re: filtering problem

Posted by [Dave Brennan](#) on Tue, 21 Nov 2000 08:00:00 GMT

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Once again thanks for the help.

However, life is not quite as simple as I imagined. Previously I said :

> 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.

I have later found that this is not entirely correct.

Although any value below the threshold should not be included in the statistics, pixels below the threshold should be corrected by the algorithm.

Therefore is it possible to change the code:

```
pro thresh, a, n, t
  m = a ge t
  wh = where(m,cnt)
  if cnt eq 0 then return
  a[wh] = a[wh] * mean(a[wh]) * (smooth(float(m),n,/EDGE) / $
    (smooth(a*m,n,/EDGE)+1.e-30))[wh]
end
```

to allow this.

After scratching my head for a while I can't think of a simple solution without going back to my clunky method where I manually scan through the data and threshold the window each time. There must be a better way!!

Any help would be greatly appreciated!!

Cheers

Dave Brennan
