
Subject: Re: Local Maxima of 2D array
Posted by [karo](#) on Wed, 27 Jan 2010 05:00:54 GMT
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If you have data in int or uint you could use the dilate procedure with a 3x3 array as structuring element. Dilate calculates the max and erode the min! Have care with keywords, /GREY will be nessecary

Regards
Karsten

Am 19.01.10 18:48 schrieb "Robin Wilson" unter <r.t.wilson@rmpic.co.uk> in
i6CdnU6cXJD-bcjWnZ2dnUVZ8vudnZ2d@bt.com:

> Hi,
>
> Another question from me I'm afraid. I'm trying to implement a routine
> which needs to be able to calculate the local maxima of a small window
> moved across an array. That is, I have a large array and I will need to
> move a small 3x3 array across it, each time working out what the maximum
> value of that array is and storing its index (or selecting it in some
> other way).
>
> I've investigated various methods for doing this, including the dilate
> method, but I can't seem to get them to work properly.
>
> Is there any good (as in fast, efficient and elegant) way of doing this,
> or will I be reduced to using for loops and lots of IF statements?
>
> Best regards,
>
> Robin
> University of Southampton
