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Subject: Re: Filter image with moving window and averaging pixels

Posted by [Jean H.](#) on Wed, 31 Jan 2007 20:23:11 GMT

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David Fanning wrote:

> rpertaub@gmail.com writes:

>

>

>> I need to filter some noise out of an image and was pointed towards  
>> making a moving/sliding window (size, say 7x7) and compare the center  
>> pixel with surrounding pixels right next to border (ignoring middle  
>> pixels). And compare the value of center pixel with the border average  
>> pixels and thus filter out noise. However, I am not sure how to do  
>> this.

>> Anyone has any idea?

>> Did I say I was new to IDL...?

>> Thanks for all your help,

>> my last query was met by very helpful replies, and I am grateful!

>

>

> I think I would start with SMOOTH, or perhaps MEDIAN,  
> and then let us know how you are getting on. :-)

>

> Cheers,

>

> David

... these 2 functions seems to be considering the pixels adjacent to the  
center one... 'rp' wants to leave a gap of one pixel between the center  
one and the ones used for the computation...

Jean

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