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Subject: Re: Faster image median filtering  
Posted by [Juggernaut](#) on Tue, 28 Jun 2011 17:33:25 GMT  
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On Jun 24, 9:48 am, "Deckard++;" <arthur.vi...@gmail.com> wrote:

> Hi,  
>  
> I am confronted with a performance issue related to median filtering  
> of images using the median() function of IDL. I have rather extended  
> sets (several thousands) of 1500x1500 images, and I need to median  
> filter each of them. So far I have been using this to filter them  
>  
> `img_filtered = median(img, boxsize)`  
>  
> The problem is that it take ~5 seconds per image for boxsize=15, which  
> is ok for a few images but really time consuming when considering  
> thousands of images. I have a few questions:  
>  
> 1- is there a way to speed-up median filtering that I am not aware of?  
> 2- do you know if IDL implementation of 2D median() is the most  
> efficient?  
> 3- if not, are you aware of a DLM that would implement a faster median  
> filtering of images?  
>  
> Thank a lot in advance.  
>  
> Best regards,  
>  
> -- Arthur;

If you have multiple cores on your computer try out the `idl_idlbridge` object in IDL and just run multiple instances of your median processing at once.

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