
Subject: Re: Moving Average on Hyperspectral dataset
Posted by [David Fanning](#) on Tue, 27 Mar 2007 02:14:24 GMT
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JD Smith writes:

```
>  
> image=smooth(image,[1,1,width])  
>  
>> With the loops the code takes about 3 hours ... Is there a way to speed it  
>> up ?  
>  
> If that 1.2GB (*2) array is pushing your memory limits, consider doing  
> it in "chunks", e.g. 50 samples at a time.
```

I thought it might go faster if you moved the dimension
you are smoothing into contiguous memory first:

```
image = Transpose(image, [2,0,1])  
image = Smooth(image, [width, 1, 1])
```

But with an image(100,200,300), it took 0.281 seconds
with and without the TRANSPOSE. Is the transposition
really negligibly fast?

I note that the LOOP method took nearly 76 seconds!! :-)

Cheers,

David

--

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Sepore ma de ni thui. ("Perhaps thou speakest truth.")
