Subject: Re: using convol with 2D image and 1D kernel
Posted by Craig Markwardt on Sat, 29 Nov 2003 19:07:56 GMT
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lunde@nrlssc.navy.mil (Bruce) writes:
> Hello, I was wondering what the convol(array,kernel) function does
> when it is given a 2D array and a 1D kernel ?
>
> I have run through "Example 2" for the digital_filter() function,
> in which the 2D array "mandril" is convolved with the 1D array
> "filter" (in Reference Volume 1):
>
...
>
> I can see that the image is smoothed, but did convol()
> 1) take the 1D kernel of size 1x21 and run it over the image, where
>   the result at each point is only influenced by points in the
>   horizontal direction,

Why not check it out for yourself, by convolving each scan line of the
original image one at a time, and seeing which output you get?

Experimentally yours,
Craig

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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
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