
Subject: Re: Low pass filter - Problem with kernel
Posted by [James Kuyper](#) on Tue, 03 Oct 2006 14:41:57 GMT
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Vidhya wrote:

> Dear All,
>
> Stuck with the error message:
>
> "% CONVOL: Incompatible dimensions for Array and Kernel.
> % Execution halted at: \$MAIN\$"
>
> while trying to apply a low pass filter to one of my image data.
>
> The array dimensions for kernel is
> IDL> help, kernel
> KERNEL FLOAT = Array[3, 3]
> IDL> help, column_log
> COLUMN_LOG FLOAT = Array[1, 374]

It would help a great deal if you showed us a simplified version of the code that actually failed. As it is, we can't be sure what you're doing. For instance, what is column_log? If it's the array that you're trying to convolve with that kernel, you've got a serious problem: column_log has a length of only 1 in the first dimension, which is insufficient to make use of a kernel whose first dimension has a length of 3. If you're talking about an image, the data you're convolving shouldn't be a 1x374 array. What is the shape of the image that you're trying to convolve?
