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Subject: Re: Differences in the convolution function between IDL and MATLAB  
Posted by [penteado](#) on Fri, 06 Aug 2010 03:53:19 GMT

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On Aug 6, 12:28 am, hyunsprk <hyunsoor...@gmail.com> wrote:

> When I use conv() function in MATLAB,  
>  
> it gives following array,  
>  
>>> conv(a,c)  
>  
> ans =  
>  
> 1 4 10 20 35 56 70 76 73 60 36  
>  
> when, a=[1,2,3,4,5,6], c=[1,2,3,4,5,6].  
>  
> Meanwhile, IDL gives following messages,  
>  
> IDL> print, convol(a,c)  
> % CONVOL: Incompatible dimensions for Array and Kernel.  
> % Execution halted at: \$MAIN\$  
>  
> when, a=[1,2,3,4,5,6], c=[1,2,3,4,5,6].  
>  
> Why this differences have been occurred? These two softwares have  
> difference use of convolution functions?

IDL's help explains well what convol() does. Presumably, Matlab's help would say what conv() does, so it seems you can compare them.

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