
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.
