
Subject: Differences in the convolution function between IDL and MATLAB

Posted by [hyunsprk](#) on Fri, 06 Aug 2010 03:28:48 GMT

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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?
