
Subject: Re: Convolution, IDL & Numerical Recipes
Posted by [aceves](#) on Tue, 05 Nov 2002 02:55:10 GMT
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"R.G. Stockwell" <sorry@noemail.now> wrote in message
news:<3DC28954.7060605@noemail.now>...

>
> Perhaps you want to use the following keywords:
> Check out the help file to see the effects the keywords
> have on how the arrays line up to be convolved.
> (Note: you must explicitly set center=0, or else it defaults
> to 1)
>
> z=convol(a,k,center=0,edge_wrap=1)
>
> a 0 0 0 0 0 1 1 1 1 1 0 0 0 0 0 0
> k 1 0 0 0 0 0 0 0 0 0
>
> z 0 0 0 0 0 1 1 1 1 1 0 0 0 0 0 0
>
>
> Cheers,
> bob stockwell

Dear Bob...

It works well with the kernel [1,0,...]
But when I tried the actual examples of Numerical Recipes it did not
give me the same results:

```
a=[0,0,0,0,0,1,1,1,1,1,0,0,0,0,0,0]  
k=[0,0,1,1,1,1,0,0,0]
```

```
z=convol(a,k,center=0,edge_wrap=1)  
IDL> print,z  
    0    0    0    0    0    0    0    1    2  
    3    4    4    3    2    1    0  
IDL>
```

With Numerical Recipes gives..

```
0 1 1 1 1 1 0 1 2 3 3 3 2 1 0 0
```

which seems ok!

Any other Idea? someone?

Thanks
