
Subject: Re: Convolution, IDL & Numerical Recipes
Posted by [JD Smith](#) on Thu, 31 Oct 2002 21:48:21 GMT
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On Thu, 31 Oct 2002 13:50:29 -0700, Hector Aceves wrote:

> Hello..
>
> I am using IDL for some of my research and have a particular problem
> with convolution of two arrays. I have used IDL's CONVOL procedure and
> subroutine CONVLV given in NUMERICAL RECEIPES..both give different
> results. I hope some one can shed light on what the reason might be.

Because IDL's convol() really does a correlation, not a convolution at all! In a true convolution, the kernel is reversed (rotated by 180 degrees). You could try `z=convol(a,reverse(k))` to get a true convolution for comparison.

JD
