
Subject: Re: I need a bit of help....Convol and functions

Posted by D.Kochman@gmail.com on Mon, 02 Oct 2006 18:36:17 GMT

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>
> Are you sure it's really a convolution? When the kernel size is the
> same as the thing its convolving, I almost always think
> "multiplication" not "convolution". Otherwise, it has no scale. If
> it occurred over some fixed scale X_0 , then a convolution would be more
> understandable.

First of all thanks very much for your guys's help. Much appreciated.
I'm enjoying learning IDL, but at the same time I have to take a
functional approach about it.

So I'm 99% sure its convolution:

we have a 3 state system

lets just call them 1,2,3

Independant of state 3, 2 relaxes to 1 with one particular rate, t , and
is described by $\exp[-x/t]$

2 relaxes to 3 in the other way, which has a time dependant evolution -
the rate is not consistent with time, and is instead described by that
sum. We are only measuring what observed rate of 2 to 1.

My opinion is if 2 to 3 rate was time independant, than it would be
multiplication.

Thats how I feel anyways, but I'm by no means completely stubborn. ;)

Once again, thanks for the help.
