Subject: Re: I need a bit of help....Convol and functions
Posted by D.Kochman@gmail.com on Wed, 04 Oct 2006 12:59:42 GMT
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> Yes, func() needs to create an array for CONVOL() to convolve. However,
> sumex should already be an array, in order for this code to work as
> intended, and this code does nothing to change any aspect of sumex. I'm
> not sure I understand what you mean by the comment "but its a
> function".

Thanks for the help, slowly but surely I'm starting to get it. What I meant by "but its a function" is I just don't see how sumex is an array. If I were to put

sumex = X

that to me makes sumex a function, namely, f(x)=x

if it was [(1,1),(2,2),(3,3)....] that to me is an array.

I know it has to be an array though.....I'll just stare at it some more.

The reason I ask is related to my original question, and that is pretty much that I have to redefine sumex, with my original monstrosity of an equation. Which approximately is (cos(x)*exp(-x)) conv exp(-x/t). I wanted to know how the original author of the software made sumex an array, so I can apply the same principles to my equations and not do the convolution analytically, but rather discretely. Its tough jumping into a new language with the source code having no commenting, and trying to pick it all apart.

I will re look at the documentation for convolve, and twiddle around with things to see how they work, and how I can manipulate them I can do.

As always, I'm grateful for whatever help I can get here. This is going to be a long year of IDL learning, and I did myself the necessary disservice of jumping in on the deep-end. =P Its been a long while too since I did any programming (8 years or so), so I'm relearning all the jargon. Slowly but surely its all coming back. Nothing really has the power to make me feel like such an idiot as programming. However, in the end when everything works its a very satisfying feeling.