Subject: Re: Newbie Question

Posted by davidf on Mon, 23 Aug 1999 07:00:00 GMT

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Dan Fletcher (djfletcher@ucdavis.edu) writes:

- > I'm new to IDL and am implementing some signal processing code. I have
- > an array corresponding to a set of n time series, each with m points. I
- > want to filter each time series so I'm using the following code to
- > filter the first time series

>

- > Coeff=DIGITAL_FILTER(Flow,Fhigh,50,40)
- > FilteredTestDataSub=CONVOL(Data[0,*],Coeff)

>

> When I do this, I get an error that says

>

> CONVOL: Kernel's dimensions are incompatible with operand's.

>

- > I think this is because the Data[0,*] gives a 1xm array rather than a
- > vector of length m. I can't figure out any way to change that 1xm array
- > into a vector without a FOR DO loop. Is there some simple way to solve
- > this problem?

data = Reform(data[0,*])

The trailing dimension of 1 will be dropped by IDL and you will end up with the row vector you are looking for.

Cheers,

David

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