
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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