
Subject: Re: Help me avoid a FOR loop!?!?

Posted by [Paul Van Delst\[1\]](#) on Tue, 23 Apr 2002 17:06:27 GMT

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Sean Davis wrote:

>
> I don't know if this is possible. I have 4 coefficients,
> a,c,d,cd, that are each 3191-long arrays, and I would like to construct
> 3191, waveforms (of length 128) from these coefficients.
>
> Here's what I'm trying to do:
>
> x = FINDGEN(128)
> yfit = FLTARR(128,3191)
>
> yfit = (a/cd)*(exp(-1.*c*x)-exp(-1.*d*x))
>
> In the end, I would like yfit to be an array of (128,3191) or (3191,128).
>
> I can't figure out how to do this without using a FOR loop. Is there any
> hope for doing this without a FOR loop?

Using matrix multiplication maybe?

paulv

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