Subject: Re: matrix multiplication Posted by Vince Hradil on Wed, 29 Oct 2008 02:17:01 GMT

View Forum Message <> Reply to Message

```
On Oct 28, 1:42 pm, David Fanning <n...@dfanning.com> wrote:
> russ writes:
>> Probably a stupid question but I haven't used idl for a while
>> Is there a quicker way of doing this?
>
>> a=fltarr(1000,20)
>> b=fltarr(20)
>
>> for i=0,999 do begin
>> a(i,*)=a(i,*)*b
>> endfor
> It might be faster to realize the end result is going
> to be an array of zeros than it would be to actually
> write the code. :-)
>
 But, I think you want this:
>
>
    a = a * rebin(reform(b, 1, 20), 1000, 20)
>
>
>
 Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Coyote's Guide to IDL Programming (www.dfanning.com)
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
Cool - I would have definitely thrown in a TRANSPOSE...
i.e. a = a * transpose(rebin(b,20,1000)), but your way has to be
faster - I'm not in front of my IDL machine so I can't check it.
```

Vince

P.S. what is it with me and speed these days?