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Subject: Re: vector matrix multiplication

Posted by [Benjamin Luethi](#) on Mon, 11 Apr 2005 15:28:31 GMT

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you could write out the matrix multiplication:

```
result = [ G[0,0,*]*V[0]+G[1,0,*]*V[1], G[0,1,*]*V[0]+G[1,1,*]*V[1] ]
```

but this looks pretty ugly and I don't know if it's an improvement...

Ben

On 11 Apr 2005 07:00:20 -0700, pete <[schuck@ppdmail.nrl.navy.mil](mailto:schuck@ppdmail.nrl.navy.mil)> wrote:

> Is there any way to do vector matrix operations in IDL?

>

> For example I have an array of N 2x2 matrices: G[0:1,0:1,N] and

> a vector V[0:1]. I would like G[0:1,0:1,i]##V at each location "i"

> WITHOUT using a for loop. Is that possible?

>

> thanks,

>

> -- Pete

>

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