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Subject: Re: Left Matrix Division  
Posted by [mankoff](#) on Mon, 19 Sep 2011 07:54:34 GMT  
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Nevermind, I found the LA\_LEAST\_SQUARES function. It turns out that a  
\b in MATLAB does a lot of different things depending on the shape of  
a.

-k.

On Sep 18, 6:53 pm, mankoff <mank...@gmail.com> wrote:

> Hi,  
>  
> I'm trying to do some matrix division, something which in MATLAB is  
> done  
>  
>  $r = a \backslash b$   
>  
> where A is m row x n column and B is an n column matrix and the result  
> is and m x 1 column matrix.  
>  
> I think this is called left matrix division and is equal to " $b^{(-1)}$   
> times a", but am having trouble inverting B as it is a column vector.  
> I have been looking into IMSL\_INV as I have not found any other IDL  
> functions that claim to invert a matrix or do matrix division.  
>  
> Any help will be much appreciated.  
>  
> Thanks,  
>  
> -k.

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Subject: Re: Left Matrix Division  
Posted by [d.poreh](#) on Mon, 19 Sep 2011 10:18:20 GMT  
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On Sep 19, 12:54 am, mankoff <mank...@gmail.com> wrote:

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Come on!!! you know that for inverting, you need  $\text{DET}(A) \neq 0$

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