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Subject: Re: failed matrix inversion returns input-- interesting  
Posted by [marc schellens\[1\]](#) on Fri, 14 Jul 2006 07:09:21 GMT

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Ed Hyer wrote:

> Can someone explain this behavior?  
> IDL> testm=[[0,0,0,0],[0,1,0,0],[0,0,1,0],[0,0,0,1]]  
> IDL> testmi=invert(testm,status)  
> IDL> print,status; 0=success, 1=fail, 2=pivot used  
>           1  
> IDL> print,testmi  
>    0.00000  0.00000  0.00000  0.00000  
>    0.00000  1.00000  0.00000  0.00000  
>    0.00000  0.00000  1.00000  0.00000  
>    0.00000  0.00000  0.00000  1.00000  
>  
> Is there any reason in creation why IDL simply copies the input into  
> the output if it cannot do the inversion? That seems, well, malevolent,  
> unless I'm missing something.

Well, what do you suggest is better?

Marc

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