
Subject: failed matrix inversion returns input-- interesting
Posted by [Mariolcandenza](#) on Thu, 13 Jul 2006 23:14:10 GMT
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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
```

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```
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.
