
Subject: failed matrix inversion returns input-- interesting
Posted by [MarioIncandenza](#) 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
      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.
