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Subject: Bug/feature in matrix multiply

Posted by [Mark Fardal](#) on Fri, 12 Mar 1999 08:00:00 GMT

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Hi,

is the following a bug or feature? I don't understand why changing the type of the array changes the dimensions of the result. Then again, it's late on Friday, so my brain might just be mush.

```
IDL> junk=fltarr(3)
IDL> junk=reform(junk,3,1)
IDL> help,junk
JUNK      FLOAT    = Array[3, 1]
IDL> help,[3.,2.,1.]#junk
<Expression>  FLOAT    = Array[1]
IDL> help,[3.d0,2.d0,1.d0]#junk
<Expression>  DOUBLE   = Array[3, 3]
```

this is with

IDL Version 5.2 (sunos sparc). Research Systems, Inc.

thanks,

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