
Subject: Conversion Error?

Posted by [Laurent Chardon](#) on Mon, 16 Aug 1999 07:00:00 GMT

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I can't figure this out. Is it a bug or something that I can not understand?

This is with IDL 5.2 running on a PII 333 on Windows NT.

If I do

```
IDL> size=double(12990)
IDL> help,size
SIZE      DOUBLE  =    12990.000
IDL> c=fltarr(size)
IDL> help,c
```

I get

```
C          FLOAT   = Array[12990]
```

which is what I expect.

But... If I do

```
IDL> size=(double(200-70.1))/0.01
IDL> help,size
SIZE      DOUBLE  =    12990.000
IDL> c=fltarr(size)
IDL> help,c
```

I get

```
C          FLOAT   = Array[12989]
```

Does anyone know why??? I am starting to not trust any of my previous calculations done with IDL. Or is this a "feature" of the Pentium II?

Any help would be appreciated...

Laurent Chardon
Trent University
