
Subject: Re: printing comma delimiters for float variables

Posted by [Kenneth P. Bowman](#) on Thu, 27 May 2004 01:04:19 GMT

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In article <40b4d5c2\$1_4@marge.ic.sunysb.edu>,
Benjamin Hornberger <benjamin.hornberger@stonybrook.edu> wrote:

> I am still desperately trying to understand format codes ;-). Is there a
> way to print floating point variables with comma delimiters every 1000,
> e.g. 1,453,234.80?

I don't know how to do this with standard formats.

You can do it yourself, but it will be a little ugly.

```
IDL> x      = 1453234.80D0
IDL> millions = LONG(x)/10^6
IDL> thousands = (LONG(x)/10^3) MOD 10^3
IDL> ones     = LONG(x) MOD 10^3
IDL> fraction = LONG(100*(x - LONG(x)))
IDL> PRINT, millions, thousands, ones, fraction, $
IDL> FORMAT = "(I3,',',I3,',',I3,',',I2)"
1,453,234.80
```

The trick will be handling numbers with different magnitudes.
(You need double precision above to get sufficient precision
to get the fraction right.)

Good luck, Ken Bowman
