
Subject: Re: decimal numbers

Posted by [penteado](#) on Tue, 11 May 2010 23:30:14 GMT

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On May 11, 8:15 pm, fgg <fabioquimaraesgoncal...@gmail.com> wrote:

> Hello,

>

> If

>

> IDL> a=358983

>

> how can I get a "b" = 0.358983? (that is, b = a/10^6)?... Why do I get

> the weird result below when I change "a" to double and divide it by

> 10^6?

>

> IDL> b=double(a)/10^6

> IDL> print, b

> 21.166450

Just use

a=358983d-6

10^6 overflows integers (16 bit by default):

IDL> print,10^6

16960

If you want to use 10^6, use either 1d6, 1e6, or if you want integers, some larger integer type, such as 10L^6.

See

http://groups.google.com/group/comp.lang.idl-pvwave/browse_thread/thread/775f355afcfa0b8a
