Subject: Re: Hex constants interpreted differently in IDL/v5.2
Posted by davidf on Mon, 24 May 1999 07:00:00 GMT
View Forum Message <> Reply to Message

William Thompson (thompson@orpheus.nascom.nasa.gov) writes:

> Apparently, IDL/v5.2 interprets some hexadecimal constants differently than
> previous versions. For example, the statement
>
> IDL> help,'aa7f'x
>
> under IDL/v5.1 produces the result
>
> <Expression>   LONG   =   43647
>
> while under IDL/v5.2, the following is returned
>
> <Expression>   INT   = -21889

Yep. I think I reported this already. (Or meant to,
if I didn't.)

I first noticed it with this kind of syntax:

   Plot, data, Color='00ffff'x

This used to draw a yellow plot, but started drawing
white plots in IDL 5.2. Of course, the previous behavior
was decidedly a bug (that I had gotten used to, darn it),
but if you want a 24-bit number, you really do need to
make it a long:

   Plot, data, color='00ffff'xL

I presume the bug was found and fixed when the programmers
were implementing the unsigned integer data type. :-)

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438 E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Toll-Free IDL Book Orders: 1-888-461-0155