Subject: Re: Strange Bug with numeric double constants
Posted by R.Bauer on Mon, 22 Mar 1999 08:00:00 GMT

Alex Schuster wrote:

> Hi!
>
> I just experienced some weird IDL behaviour:
>
> IDL> help, 1.0d+2.0d
>
> help, 1.0d+2.0d
>   ^
> % Syntax error.
> IDL> help, 1d+2d
>
> help, 1d+2d
>   ^
> % Syntax error.
>
> Strange, isn't it? There's no problem with byte constants:
>
> IDL> help, 1b+2b
> <Expression>   BYTE   =   3
>
> An additional blank helps:
>
> IDL> help, 1d +2d
> <Expression>   DOUBLE   =   3.0000000
>
> I didn't try IDL 5.2, but it happened with 4.0 and 5.1 on Unix and
> Windows. I guess IDL expects an exponential notation like 1d0, and is
> confused by the nonnumeric plus character.
>
>   Alex
> --
>   Alex Schuster   Wonko@weird.cologne.de   PGP Key available
>   alex@pet.mpin-koeln.mpg.de

If you look to the exponent definition it isn't strange because
help, 1d+2
<Expression>   DOUBLE   =   100.00000

It isn't allowed to use the D to define double more than once in a
definiton of a number.

If you won't use blank to separate the numbers you can use ()

help, (1d)+(2d)
<Expression>   DOUBLE   =   3.0000000

R.Bauer