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Subject: Re: Unknown #INFO

Posted by [davidf](#) on Thu, 12 Nov 1998 08:00:00 GMT

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Stein Vidar Hagfors Haugan (steinhh@ulrik.uio.no) writes:

>> David Fanning <davidf@dfanning.com> wrote:

>>>

>>> IDL> Help, !Values, /Structure

>>> \*\* Structure !VALUES, 4 tags, length=24:

>>> F\_INFINITY    FLOAT        1.#INFO

>>> F\_NAN        FLOAT        1.#QNAN

>>> D\_INFINITY    DOUBLE       1.#INF000

>>> D\_NAN        DOUBLE       1.#QNAN00

>>>

>> My sun gives this:

>> IDL> print,!version

>> { sparc sunos unix 5.0 Apr 28 1997}

>> IDL> print,!values

>> {    Inf        NaN        Infinity        NaN}

>> IDL> print,float('Inf')

>>    Inf

>> IDL> print,float('1.#INF0')

>>    1.00000

>

> I guess you're right on the spot with the assumption that the  
> compiler (or rather, the c library) makes the difference:

>

> IDL> print,!version

> { alpha OSF unix 5.1.1 Jul 20 1998}

> IDL> print,!values

> {    INF        NaNQ        INF        NaNQ}

> IDL> print,float(['INF','Inf','NaN','nanq'])

> % Type conversion error: Unable to convert given STRING to Float.

> % Detected at: \$MAIN\$

>    INF        INF        0.00000        NaNQ

Hang on there. Here is what I get in IDL 5.2 beta 2:

IDL> Print, !Version

{ x86 Win32 Windows 5.2 Beta2 Sep 14 1998}

IDL> Help, !Values, /Structure

\*\* Structure !VALUES, 4 tags, length=24:

  F\_INFINITY    FLOAT        Inf

  F\_NAN        FLOAT        NaN

|            |        |          |
|------------|--------|----------|
| D_INFINITY | DOUBLE | Infinity |
| D_NAN      | DOUBLE | NaN      |

IDL> Print, !Values

{      Inf      NaN      Infinity      NaN }

IDL> Print, Float( [ 'Inf', 'NaN', 'Infinity', 'NaN' ] )

    Inf      NaN      Inf      NaN

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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