
Subject: Re: NaN problems

Posted by [R.Bauer](#) on Sat, 23 Apr 2005 19:48:39 GMT

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David Fanning wrote:

> Y.T. writes:

>

>> I don't have access to IDL on a win-box, but I have a (potentially

>> stupid) question: On that page of yours where you write

>>

>> IDL> print, array ne array

>> 0 0 0 0 0

>>

>> have you tried the converse, i.e.

>>

>> IDL> print, array eq array

>>

>> ?

>>

>> I am asking since, while it is true that a NaN is not equal to a NaN it

>> does not seem to follow (to my wrinkled brain) that a NaN is

>> necessarily UNEqual to a NaN.

>>

>> In your version you test for the latter, and I'm kinda curious what

>> would happen if you tried the former...

>

> Well, looks like some things have changed since that

> article was written. Here is what I get in IDL 6.1 on Windows:

>

> IDL> a = [1.0, 2.0, !Values.F_NAN, 4.0, !Values.F_NAN]

> IDL> print, a ne a

> 0 0 1 0 1

> % Program caused arithmetic error: Floating illegal operand

> IDL> print, a eq a

> 1 1 0 1 0

> % Program caused arithmetic error: Floating illegal operand

>

> Consistent, anyway. :-)

>

> Cheers,

>

> David

I got the same result without the warnings on the linux Version.

Probably we both should try it with the actual 6.1.1 version. For windows it's a 2MB download and I don't know why it is for linux 60MB. ;-)

cheers

Reimar

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a IDL library at ForschungsZentrum Juelich
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html
