Subject: Re: NaN problems Posted by R.Bauer on Sat, 23 Apr 2005 19:48:39 GMT View Forum Message <> Reply to Message

David Fanning wrote:

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> 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. ;-)

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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