## Subject: Re: NaN problems
Posted by David Fanning on Sat, 23 Apr 2005 03:38:31 GMT

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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
--
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