
Subject: Re: array handling

Posted by [Brian Larsen](#) on Sat, 06 Jan 2007 16:15:09 GMT

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Something I have always wondered is the difference between using finite() and just using ne?

As an example:

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

```
IDL> Print, Where( NOT Float( Finite(array) ) )
```

```
      2      4
```

```
IDL> print, where(array ne array)
```

```
      2      4
```

What is the fundamental difference here? Speed? Style? or something else entirely?

Cheers,

Brian

On Jan 6, 8:01 am, David Fanning <n...@dfanning.com> wrote:

> jochem.verre...@gmail.com writes:

>> I am a newbie in IDL. Although I cannot handle the following problem, I

>> am sure for the 'Masters' this is peanuts.

>

>> The problem:

>> I wish to filter an array of redundant data in one line. This is a part

>> of the line to be filtered:

>

```
>> -Inf      -NaN      -Inf    0.542373    2.39394    2.28125
```

```
>> 0.000000  0.000000  0.000000
```

```
>> 3.21053   1.21839   0.000000    -NaN    0.967213
```

```
>> 2.03448   0.724138  0.000000   0.000000  0.000000
```

```
>> -NaN
```

>

>> With WHERE I can get rid of the zeros, but I dont know how to exclude
>> the '-NaN' and '-Inf'.

>

>> Any help would be most welcome, Here is an article that will help:

>

> http://www.dfanning.com/tips/check_nan.html

>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
