
Subject: Re: Integer rounding of NaN

Posted by [Brian Larsen](#) on Tue, 15 Jan 2008 13:56:05 GMT

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```
> IDL> print, float (round (!Values.F_NAN))
> -2.14748e+009
```

You should not expect this to work... as !Values.F_NAN is literally not a number and the build in idl routines are notorious for not doing any checking of their own for NaN and Inf. One is normally best off making sure all the numbers are good before doing round, r_correlate, sort, and many others.

Cheers,

Brian

Brian Larsen
Boston University
Center for Space Physics

Subject: Re: Integer rounding of NaN

Posted by [lecacheux.alain](#) on Tue, 15 Jan 2008 14:33:39 GMT

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I agree. I simply forgot to read the accompanying error message:
Finite function is TRUE, but one has to catch the arithmetic error !

```
IDL> print,finite(round(!values.f_nan))
```

```
1
```

```
Program caused arithmetic error: Floating illegal operand
```
