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Subject: Odd behavior with NaNs

Posted by [whdaffer](#) on Tue, 09 Aug 2016 16:28:36 GMT

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At least, I think it's odd.

```
IDL> print,sqrt(!values.f_nan>0.0)
0.00000
```

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

```
IDL>
```

```
-- while --
```

```
IDL> print,sqrt(!values.f_nan)
NaN
```

I was trying to protect against taking the sqrt of a negative number. I guess I could just remove the >0.0 and live with

```
DL> print,sqrt(-1)
-NaN
```

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

whenever there are negative numbers in my data.

What does the community think? Bug? Feature?

whd

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