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Subject: NaN or 0.0

Posted by [Christophe Morisset](#) on Tue, 20 May 1997 07:00:00 GMT

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Hello,

I'm "transporting" an IDL code from a DecAlpha to a PC (i.e. Unix => Linux)

And I meet problems with the NaN under Linux:

Under Unix:

```
IDL> print,exp(aolog(0))
```

```
% Program caused arithmetic error: Floating overflow
```

```
% Detected at $MAIN$
```

```
% Program caused arithmetic error: Floating underflow
```

```
% Detected at $MAIN$
```

```
0.00000
```

Under Linux:

```
IDL> print,exp(aolog(0))
```

```
-NaN
```

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

In both case, the program say I'm doing something wrong,  
but with the Unix version, I can continue to work...

Is it possible to say the Linux-IDL not to use this

&\*\$%\$# NaN absorbing element?

It seems to me it as something to do with something  
called IEEE, but I don't understand what it is ;-)

Tahnks a lot if you have any idea,

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Christophe Morisset

Observatoire de Paris-Meudon

Tel: (+33) 1-45-07-75-66

Fax: (+33) 1-45-07-74-69

mailto:morisset@daec.obspm.fr

http://daec.obspm.fr/~morisset

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