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Subject: Re: ATAN function with two ARGS  
Posted by [Paul Hick](#) on Tue, 06 Jun 2000 07:00:00 GMT  
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I presume that IDL is compiled with whatever math libraries are available on any particular operating system, so it will inherit whatever peculiarities (not necessarily the same on every OS) are in there. Another example: raise NaN to a floating point power on a Windows machine:

```
IDL> print, !values.f_nan^2.0
      0.000000
% Program caused arithmetic error: Floating illegal operand
IDL> print, !version
{ x86 Win32 Windows 5.3.1 Feb 23 2000}
```

IDL on Linux, for instance, gives the proper response:

```
IDL> print, !values.f_nan^2.0
      NaN
IDL> print, !version
{ x86 linux unix 5.3 Nov 11 1999}
```

Paul

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