Subject: Re: what is Floating illegal operand question? Posted by Michael Wallace on Mon, 18 Apr 2005 20:49:01 GMT

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lixiaoyao wrote:

- > when I run this code in idl, it generated the following wrong
- > information, what is
- > wrong there?
- > % Compiled module: \$MAIN\$.
- > % Program caused arithmetic error: Floating illegal operand
- > window,xs=640,ys=480
- > x=10*!pi*findgen(1001)/1000
- > sn=sin(x)/x
- > plot,x,sn
- > end
- > thanks

>

You're getting it from a floating point divide by zero. When using integers, IDL actually tells you that you tried to divide by zero. For some reason, they have a different message for floating point.

IDL > x = 0 / 0

% Program caused arithmetic error: Integer divide by 0

IDL > x = 0.0 / 0.0

% Program caused arithmetic error: Floating illegal operand

-Mike