
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
