Subject: Re: CHECK_MATH and exp()
Posted by jeyadev on Fri, 30 Aug 2002 19:36:21 GMT
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In article <3D6CDC8E.DB526253@saicmodis.com>,
James Kuyper <kuyper@saicmodis.com> wrote:

Thanks for your reply ......

> Surendar Jeyadev wrote:
>>
>> Could someone please explain this:
> ...
>>   WAVE> y = exp(-9.4^2)
>>   % Program caused arithmetic error: Floating underflow
>>   % Program caused arithmetic error: Floating illegal operand
>
> I only get the first message, not the second.

The begining of the differences .....!

> Since the exp() call occurred before the last interactive prompt, it
> doesn't count. Instead, try the following:
>
> IDL> y = exp(-9.4^2) & print,check_math(-1)
> % Program caused arithmetic error: Floating underflow
>   32

And I get

WAVE> y = exp(-9.4^2) & print,check_math(-1)
% Program caused arithmetic error: Floating underflow
% Program caused arithmetic error: Floating illegal operand
       160

>> I am running PV-WAVE CL Version 6.01 (sun4 solaris sparc)
>> on a Sun Ultra 10 under Solaris 8.

Obviously, it is something to do with ....

> I am running idl 5.4 on an SGI machine running IRIX,

.... PV-Wave. Not sure if it is to do with the Sun version,
though.

thanks, anyway,

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