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Subject: Re: how to catch a math error?

Posted by [David Fanning](#) on Thu, 17 Apr 2003 19:55:49 GMT

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J Li (anonymous@nowhere.com) writes:

> I am trying to figure out how to trap the math error and dump the error  
> message to a file. Math error is somehow different than other types of  
> errors? My test program is listed below.  
>  
> I have done tests for I/O error or raising an exception by issuing a  
> "message" call. They all work as expected, that is I got error message in  
> the myLog.err file and the program exited gracefully. So far, I have not  
> been able to do the same for math error. Please help!

I'd try something like this:

```
pro test3
  on_error, 2
  print, "I am in test3"
  junk = check_math()
  x = 1 / 0
  CASE check_math() OF
    0:
      1: Message, 'Integer divide by zero in Test 3.'
      2: Message, 'Integer overflow in Test 3.'
      16: Message, 'Floating point divide by zero in Test 3.'
      32: Message, 'Floating point underflow in Test 3.'
      64: Message, 'Floating point overflow in Test 3.'
      128: Message, 'Floating point operand error in Test 3.'
  ENDCASE
end
```

Cheers,

David

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