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Subject: Integer overflow not reported

Posted by [Markus Schmassmann](#) on Tue, 13 Jun 2017 14:58:21 GMT

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Hello,

Why are integer overflows not reported, although according the documentation of CHECK\_MATH [1] they should be detected?

Anything I can do to activate such warnings?  
(other than changing to Windows)

An example is below.

-- Markus

```
IDL> rsun=696000000
IDL> help, rsun, rsun^2, long64(rsun)^2, long64(rsun)^2 mod 211^31
RSUN      LONG    = 696000000
<Expression> LONG    = 327417856
<Expression> LONG64   = 484416000000000000
<Expression> LONG64   =      327417856
IDL> help, 1/0
<Expression> INT      =      1
% Program caused arithmetic error: Integer divide by 0
% Detected at $MAIN$
IDL> !version
{
  "ARCH": "x86_64",
  "OS": "linux",
  "OS_FAMILY": "unix",
  "OS_NAME": "linux",
  "RELEASE": "8.5",
  "BUILD_DATE": "Jul 7 2015",
  "MEMORY_BITS": 64,
  "FILE_OFFSET_BITS": 64
}
```

[1] [http://www.harrisgeospatial.com/docs/CHECK\\_MATH.html](http://www.harrisgeospatial.com/docs/CHECK_MATH.html)

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