Subject: Breaking on Math Warnings?
Posted by Scott Norton on Thu, 07 Jan 1999 08:00:00 GMT
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Can anyone tell me how to have a program "break" on math warnings in IDL?
For instance, if Gauss2Dfit doesn't converge, how can I "respond" to that warning?
Or,
If I get a "% Program caused arithmetic error: Floating underflow", how do I "check"
for this?
The CATCH procedure explicitely says that it does not "catch" these types of errors...
"Calling CATCH establishes an error handler for the current procedure that intercepts all errors that can be handled by IDL, excluding non-fatal warnings such as math errors."

Thanks!
-Scott
Scott_Norton@surromed.com

Subject: Re: Breaking on Math Warnings?
Posted by Dr. G. Scott Lett on Fri, 08 Jan 1999 08:00:00 GMT
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check_math() won't report convergence errors. It only reports your computer system's integer and floating point errors.

If you want to see what gauss2dfit does in the event of non-convergence, you can read the source code (gauss2df.pro ?) in the library. You'll probably need to read the required curvefit.pro as well.

Good hunting

--

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Scott Norton <norton@optics.rochester.edu> wrote in message news:36954CB0.75814D7A@optics.rochester.edu...
> I just found the answer to my own question. Sorry for taking up bandwidth.
> The key command to use is CHECK_MATH(). Although I now need to

> see if it works for finding convergence errors as when using the Guass2DFit
> routine
> (convergence errors are not listed in the table of returned math errors
> shown
> in the HELP menu on CHECK_MATH()).
> -Scott
>
>
