Subject: Re: Turning off math error checking for a code block
Posted by k-bowman on Thu, 17 Jan 2002 19:48:31 GMT
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In article <3C47094C.1F1879D2@ssec.wisc.edu>, "Liam E. Gumley"
<Liam.Gumley@ssec.wisc.edu> wrote:

> The FINITE function returns 1 where the argument is finite, and 0 where
> the argument is infinite *or* NaN (see p. 134 of my book). Try the
> following:
>
> x_min = 2.0
> index = where(finite(x) eq 1, count)
> if (count gt 0) then print, where(x[index] lt x_min)

I am aware of that. These are relatively large vectors (10^5 to 10^6 elements), however, and this operation is repeated many times, so I am trying to avoid extracting the finite values (or creating an array index to them). This is my "innermost loop", and efficiency is important. I know there are NaN's. I prefer to simply turn off the error messages.

Perhaps a /NAN keyword on the WHERE function would be useful? (as in, for example, TOTAL)

Ken

P.S. For symmetry, wouldn't it be nice to have an INFINITE function?