
Subject: Re: Feature, or bug?

Posted by [Lajos Foldy](#) on Mon, 21 May 2012 17:13:08 GMT

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> Hmmmm... Well `check_math_does_` claim that it will report integer
> overflow, in bit 1.
>
> But I wouldn't be using `check_math` to check for that condition in the
> construct I was using anyway, so it's moot that `check_math` apparently
> falls down on the job, at least in this case.
>
> Thanks for the explanation.
>
> whd
>
>>
>> regards,
>> Lajos

The `check_math` help says: "Some hardware/operating system combinations may not report all of the math errors listed." Integer overflow is listed, but not checked and reported :-)

Integer overflow is "undefined behaviour" in standard C, so it can not be done in a portable way. The glibc manual says:

FPE_INTOVF_TRAP

Integer overflow (impossible in a C program unless you enable overflow trapping in a hardware-specific fashion).

regards,
Lajos
