Subject: Re: Feature, or bug? Posted by Lajos Foldy on Mon, 21 May 2012 17:13:08 GMT View Forum Message <> Reply to Message

> 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,

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

>> Lajos