

Re: This calculation is just wrong / computer can't count!

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- *From:* ".rhavin grobert" <clrq@xxxxxxx>
 - *Date:* Thu, 04 Oct 2007 08:19:48 -0700
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On 4 Okt., 17:00, "GT" <ContactGT_remove...@xxxxxxxxxxx> wrote:

"rhavin grobert" <cl...@xxxxxxx> wrote in message

On 4 Okt., 16:24, "GT" <ContactGT_remove...@xxxxxxxxxxx> wrote:

What do you mean by the number might be below double granularity on the computer? What can I do about this?

your computer stores floatingpoints (float, double, long double) in a format like

[sign][exponent][fraction]. that means that it can distinguish between 0.0000003 and 0.0000004 but perhaps not between 700000.0000003 and 700000.0000004. on the other hand, it can handle numbers up to 3.4028235×10^{38} for a 32-bit floating point variable.