On Friday, March 21, 2014 7:39:45 PM UTC+1, Yngvar Larsen wrote:

>> The C standard guarantees modulo 2^N arithmetic for unsigned integers only. For signed integers, the behavior is undefined.
>
> Thanks for the info! I didn't know that. Fortunately, I haven't had to do much numerical work in C lately.
>
> Do you by any chance know the rationale behind that?

Optimization. There is an excellent blog post about undefined behavior at:

 http://blog.llvm.org/2011/05/what-every-c-programmer-should- know.html

regards,
Lajos