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Subject: Re: U++ can't handle float to string and back for large numbers

Posted by [mr\\_ped](#) on Tue, 21 Mar 2017 20:35:53 GMT

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I'm not IEEE expert, but why "exp = minmax<int>(ilog10(d), -308, +308);", I mean why decimal exp, when the native is binary, if I understand the IEEE format correctly. The whole code looks weird, all the computations instead of working directly with bits, this will be very likely prone to some rounding/cutoffs artefacts. Also doing it directly from bits with decimal conversions only in the last phase would be probably faster, not just more accurate.

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