WG14 N2288

C Floating Point Study Group Teleconference

August 28, 2018
8 AM PDT / 11 PM EDT / 3 PM UTC

Conference ID: 82968194
Toll-free Dial-in number: 1-888-426-6840
Other (International) Dial In Numbers:
https://www.teleconference.att.com/servlet/glbAccess?process=1&accessCode=82968194&accessNumber=2158616239#C3
Wiki: http://wiki.edg.com/twiki/bin/login/CFP/WebHome

Draft Agenda

Meeting logistics

Note taker, mail out notes - Rajan

Introduction of attendees

Approval of agenda

Notes from 2018-07-25 meeting

Posted on CFP wiki

Carry-over action items

Ian: See if there is an incompatibility between C and C++ for constants being evaluated to a wider format (Ex. FLT_EVAL_METHOD affects constants in C++, and wider return values) - Keep open.

Jim: Update the binding table in parts 1 and 2 to handle the new IEEE-754:2018 functions when published.

David: Check the min/max C specification to ensure it matches what IEEE has.

David: Check the augmented* C function specifications to ensure they match what IEEE has.

Jim: Remove screen-share information from the agenda.

Fred: Recheck 'Functions and infinity' issues with 754 draft 238. Now draft 240.

Action items from 2018-07-25 meeting

David H: Check the new specification for inexact (Jim's 6/26 email "AI about specification for inexact") to make sure the new words still work with 754.

Rajan: Bring a proposal forward for NaNQ and NaNS printf output to this group next meeting.

Fred: Look into reduction functions and NaN's for optional exceptions.

Study group logistics

Next meeting date: Tuesday, September 25?

IEEE 754 revision

C++ liaison

Action item details

Min/max C specification matches IEEE?

Augmented* C function specifications match IEEE?

'Functions and infinity' issues with 754 draft 240. See Fred's 7/26 email "WG14 IEEE 754-C binding meeting minutes 2018/07/25" and responses.

Review of specification for inexact in Jim's 6/26 email "AI about specification for inexact".

Proposal for NaNQ and NaNS printf output. See Fred's 7/26 email "NaNQ, NaNS".

Reduction functions, optional exceptions.

Issues with nextup and nextdown. See Fred's 7/30 email "nextup()" and responses.

Issues with llogb. See Fred's 8/3 email "llogb(1.)" and responses.

Other issues?

C2x integration

Activities

Review activities in progress

Deferred issues

C standard use of "floating" vs "floating-point"