

WG14 N3050

C Floating Point Study Group Teleconference

August 12, 2022

11:00 AM EDT, 8:00 AM PDT, 3:00 PM UTC

Join from PC, Mac, Linux, iOS or Android:

<https://iso.zoom.us/j/98846534356?pwd=UXU5VnJFRSs0Sk13SDB1bUpTZzdydz09>

Password: 937730

Or iPhone one-tap :

US: +12133388477,,98846534356# or +14086380968,,98846534356#

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 213 338 8477 or +1 408 638 0968 or +1 669 219 2599 or +1 669 900 6833 or +1 346
248 7799 or +1 602 753 0140 or +1 720 928 9299 or +1 971 247 1195 or +1 206 337 9723 or +1 253
215 8782 or +1 312 626 6799 or +1 470 250 9358 or +1 470 381 2552 or +1 646 518 9805 or +1 646
876 9923 or +1 651 372 8299 or +1 786 635 1003 or +1 267 831 0333 or +1 301 715 8592 or 877
853 5247 (Toll Free) or 888 788 0099 (Toll Free)

Meeting ID: 988 4653 4356

Password: 937730

International numbers available: <https://iso.zoom.us/u/abicH3xVC9>

Or Skype for Business (Lync): <https://iso.zoom.us/skype/98846534356>

CFP Wiki: <http://wiki.edg.com/twiki/bin/login/CFP/WebHome>

Draft Agenda

Meeting logistics

Note taker, mail out notes

Introduction of attendees

Approval of agenda

Notes from 2022-07-27 meeting

- [\[Cfp-interest 2471\] WG14 IEEE 754-C binding meeting minutes 2022/07/27](#) *Rajan Bhakta*

Posted on CFP wiki

Study group logistics

Next CFP meeting date: ?

C++ liaison

C23 integration

Latest C2X drafts:

<http://www.open-std.org/jtc1/sc22/wg14/www/docs/n2912.pdf>

<http://www.open-std.org/jtc1/sc22/wg14/www/docs/n2596.pdf>

<http://www.open-std.org/jtc1/sc22/wg14/www/docs/n2573.pdf>

<http://www.open-std.org/jtc1/sc22/wg14/www/docs/n2478.pdf>

Part 1

Part 2

Part 3

Part 4ab

Part 5abcd

IEC 60559:2020 support

C23 schedule: <https://www.open-std.org/jtc1/sc22/wg14/www/docs/n2984.pdf>

Carry-over action items

David H: Get an example for the scaled reduction functions (perhaps by asking Jason or Jim or looking into the IEEE references).

David H: Get an example for the augmented arithmetic functions (perhaps by asking Jason or Jim or looking into the IEEE references).

Action items from 2022-07-27 meeting

Jim: Post links to the C++ standard in our wiki.

- [\[Cfp-interest 2474\] C++ draft link](#) *Jim Thomas*

Rajan/Jim/Fred/Damien/Mike: Review the CD draft sections as below once it is out to ensure CFP changes were done correctly:

2: References: Fred

4: Freestanding: Rajan

5.2.4.2.2: BFP model: Jim

5.2.4.2.3: DFP model: Mike

6: Language: Jim

7.3: complex.h: Damien

7.6: Floating point environment: Damien

7.12: math.h: Fred

7.22.6: Formatted I/O:

7.23.1, 7.30.4.1: Numeric conversion: Rajan

7.26: tgmth:

7.32.4/5/8/13: Future directions:

- [\[Cfp-interest 2473\] Re: WG14 IEEE 754-C binding meeting -- comparing PDFs](#) *Mike Cowlishaw*

Jim: Look again at N2570 to ensure proper integration into C23 was done.

- [\[Cfp-interest 2475\] integration of N2570](#) *Jim Thomas*

Jim: Check with JeanHeyd on issues found in CFP2455 to ensure it is in before the latest C draft.

- [\[Cfp-interest 2477\] Fwd: N2912 review comments JT-070 and JT-071](#) *Jim Thomas*

Other issues

Quantum exponent for ++ and -- operators

- *Jim Thomas*
- [\[Cfp-interest 2466\] Likely upcoming work for CFP from WG14's meeting today](#) *Rajan Bhakta*
 - [\[Cfp-interest 2467\] Re: Likely upcoming work for CFP from WG14's meeting today](#) *Mike Cowlshaw*
 - [\[Cfp-interest 2468\] Re: Likely upcoming work for CFP from WG14's meeting today](#) *Jim Thomas*
 - [\[Cfp-interest 2472\] Re: Likely upcoming work for CFP from WG14's meeting today](#) *Vincent Lefevre*
- [\[Cfp-interest 2476\] quantum exponent for ++ and -- operators](#) *Jim Thomas*

Others?