

WG14 N3024

C Floating Point Study Group Teleconference

July 27, 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/92049325191?pwd=UzkySG93OHhPemlqSUd1VGxSWm5zQT09>

Password: 099161

Or iPhone one-tap :

US: +14086380968,,92049325191# or +16692192599,,92049325191#

Or Telephone:

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

US: +1 408 638 0968 or +1 669 219 2599 or +1 669 900 6833 or +1 213 338 8477 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 +1 346 248 7799 or +1 267 831 0333 or +1 301 715 8592 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 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)

Meeting ID: 920 4932 5191

Password: 099161

International numbers available: <https://iso.zoom.us/u/adPWR6PNs9>

Or Skype for Business (Lync): <https://iso.zoom.us/skype/92049325191>

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 2022-06-22 meeting

- [\[Cfp-interest 2444\] CFP meeting minutes 2022/06/22](#) *Rajan Bhakta*

Posted on CFP wiki

Study group logistics

Next CFP meeting date: Wednesday, August 24?

WG14 meetings

July 18-22 virtual

WG14 18-22 July 2022 meeting report

C++ liaison

Fred's meeting with C++ numerics subgroup

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

Revised 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 2022-06-22 meeting

Jim: Make a list of the documents from CFP submitted to WG14.

- [\[Cfp-interest 2447\] CFP proposals for C23](#) *Jim Thomas*

Fred: See which proposals are missing from the latest C23 draft N2912.

Fred, Rajan, Jim: Review CFP proposals each person submitted to ensure they were integrated correctly into C23.

- [\[Cfp-interest 2448\] N2912 review status, comments](#) *Jim Thomas*
 - [\[Cfp-interest 2452\] Re: N2912 review status, comments](#) *Jim Thomas*
- [\[Cfp-interest 2449\] width == 0 and F.10.6.11](#) *Fred J. Tydeman*

Fred: Update C26 issue list as per discussion in the CFP June meeting.

Fred: Look to get an excerpt of the C++ standard in the subnormal traits area relating to the HAS_SUBNORMAL paper.

- [\[Cfp-interest 2445\] C++ and subnormals](#) *Fred J. Tydeman*
 - [\[Cfp-interest 2446\] Re: C++ and subnormals](#) *David Olsen*

Rajan: Report to WG14 that CFP will be looking at the new C2X draft to ensure everything was integrated correctly.

Other issues

Review TS part 4 revision

Obsoleting *_HAS_SUBNORM macros – follow up
<https://www.open-std.org/jtc1/sc22/wg14/www/docs/n2993.htm>

cr_xxx functions, integration of

- [N2715](#) 2021/05/09 Tydeman, cr_ prefix

Others?