

WG14 N2706

C Floating Point Study Group Teleconference

April 13, 2021

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/92569205937?pwd=SHgxOU0rcVloWnAxakJBeGluNDd1QT09>

Password: 489144

Or iPhone one-tap :

US: +16699006833,,92569205937# or +12133388477,,92569205937#

Or Telephone:

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

US: +1 669 900 6833 or +1 213 338 8477 or +1 408 638 0968 or +1 669 219 2599 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 +1 646 876 9923 or +1 651 372 8299 or +1 786 635 1003 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 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)

Meeting ID: 925 6920 5937

Password: 489144

International numbers available: <https://iso.zoom.us/j/92569205937>

Or Skype for Business (Lync):

<https://iso.zoom.us/skype/92569205937>

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 2021-03-24 meeting

Posted on CFP wiki

Study group logistics

Next meeting dates: Wednesday, May 19?

C++ liaison

Issues?

C23 integration

Latest C2X drafts:

<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

Carry-over action items

None

Action items from 2021-03-24 meeting

Fred: Make a proposal for CFP 1927 with the change of the final change being "equal" instead of boolean and check with David H.

Fred: Write up CFP 1930 as a proposal.

Fred: Submit CFP 1938 to WG14.

Fred: Check with the CFP group (and possibly others) to see if the default static initialization gives all zero bits for DFP values.

Fred: Send the IEEE 754 errata note that is currently not reflected in the errata list to the CFP group.

Mike: Check what the zero bits with the bias exponent means for DFP (regarding static initialization). (During the meeting: Mike: 0e-101 is what the result is.)

Fred: Create a WG14 proposal to reserve either `cr_` or reserve specific `cr_{function name}s` as per CFP 1906 and let WG14 decide.

Other issues

Range errors

- [\[Cfp-interest 1841\] C math errors](#) *Jim Thomas*
 - [\[Cfp-interest 1842\] Re: C math errors](#) *Fred J. Tydeman*
 - [\[Cfp-interest 1843\] Re: C math errors](#) *Jim Thomas*
- [\[Cfp-interest 1873\] Range error](#) *Fred J. Tydeman*
- [\[Cfp-interest 1912\] Re: C math errors](#) *Jim Thomas*
- [\[Cfp-interest 1913\] Re: C math errors](#) *Fred J. Tydeman*

Inexact exception

- [\[Cfp-interest 1951\] inexact exception](#) *Paul Zimmermann*
 - [\[Cfp-interest 1952\] Re: inexact exception](#) *Jim Thomas*

Parameterization of interfaces

Floating-point accuracy in C

- [\[Cfp-interest 1932\] Re: Fix the inaccuracy of j0f/y0f/j1f/y1f](#) *Paul Zimmermann*
 - [\[Cfp-interest 1934\] Re: Fix the inaccuracy of j0f/y0f/j1f/y1f](#) *Vincent Lefevre*
 - [\[Cfp-interest 1933\] Re: Fix the inaccuracy of j0f/y0f/j1f/y1f](#) *Mike Cowlshaw*

Others?