hack4glarus-2019-summer - Task #6746

Fix OpenBSDs libm

05/31/2019 08:28 PM - Moritz Buhl

Status:	Closed		**Start date:**	05/31/2019
Priority:	Normal		**Due date:**	06/02/2019
Assignee:	Moritz Buhl		**% Done:**	30%
Category:			**Estimated time:**	90.00 hours
Target version:				
PM Check date:				

Description

FreeBSD has some msun tests that currently are not passing on OpenBSD.
https://svnweb.freebsd.org/base/head/lib/msun/tests/

Mostly the complex arithmetic functions are not working.
The FreeBSD tests seem to cover all the cases mentioned in Annex G of the C standard.
Especially test everything with i386 as FreeBSD doesn't support it anymore and it has different floating point sizes in FPU and CPU.

C1X Open-Standard:
http://www.open-std.org/jtc1/sc22/wg14/www/docs/n1570.pdf

History

#1 - 06/01/2019 10:45 AM - Moritz Buhl

- % Done changed from 0 to 30

- File cexp.diff added

- Status changed from New to In Progress

5/19 tests passing

The patch for cexp and cexpf is attached, cexpl is missing in FreeBSD?

#2 - 06/02/2019 11:51 AM - Moritz Buhl

- File fma.diff added

- File csqrt.diff added

- Estimated time changed from 30.00 h to 90.00 h

#3 - 06/02/2019 01:05 PM - Moritz Buhl

- File presentation.pdf added

#4 - 06/02/2019 08:43 PM - Nico Schottelius

- Status changed from In Progress to Resolved

Thanks everyone for participating! It was great seeing all of you!

#5 - 06/04/2019 09:53 AM - Nico Schottelius

- Status changed from Resolved to Closed

Files

cexp.diff	31.6 KB	06/01/2019	Moritz Buhl
fma.diff	42.9 KB	06/02/2019	Moritz Buhl
csqrt.diff	29.3 KB	06/02/2019	Moritz Buhl
presentation.pdf	44.7 KB	06/02/2019	Moritz Buhl