GNU-MPFR

Library for arbitrary precision arithmetic on floating-point numbers, with correct rounding, based on the GMP library.

Implements all mathematical functions of C99. Supports special numbers (signed 0, infinity, NaN). The result is correct no matter which rounding mode from the ANSI/IEEE-754 standard is selected.

**Fields of application**: formal computation (used in particular by GCC and SAGE).

**Language/Environments**: Developed in C, available for Unix-Linux, Windows, Mac OS.

**Keywords**: Multiple-Precision, Floating-point Computation, Correct Rounding

**Licence**: GNU LGPL

**Academic partners**: Contact: catherine.lucquiaud@inria.fr

http://www.mpfr.org/