

Fermi Software List

May 3, 2012

Compilers

- C:
 - gcc (4.1.2), gcc34 (3.4.6), gcc44 (4.4.4), icc (12.1.0)
- C++:
 - g++ (4.1.2), g++34 (3.4.6), g++44 (4.4.4), icpc (12.1.0)
- FORTRAN:
 - gfortran (4.1.2), gfortran44 (4.4.4)
 - g77 (3.4.6)
- CUDA:
 - driver 4.0, runtime 4.0

Libraries

- fftw: Fastest Fourier Transform in the West
 - 3.3
 - 2.1.5 (MPI support)

Tools

- Debuggers
 - gdb, valgrind,
- Profilers
 - gprof

Modules

cuda

cuda/4.0 cuda 4.0 sdk and binaries

fftw

fftw/2.1.5-gcc fftw 2.1.5-gcc libs for double precision FFT/DFT, MPI support, compiled with gcc

fftw/2.1.5-intel fftw 2.1.5-intel libs for double precision FFT/DFT, MPI support, compiled with icc

fftw/3.3-gcc fftw 3.3-gcc libs for FFT: MPI, openmp, pthreads support, single/double precision, compiled with gcc

fftw/3.3-intel fftw 3.3-intel libs for FFT MPI, openmp, pthreads support, single/double precision, compiled with icc

mpi

mpi/1.4.1-gcc mpich2: MPI implementation, compiled with gcc

mpi/1.4.1-intel mpich2: MPI implementation, compiled with icc

valgrind

valgrind/3.7.0-gcc valgrind debugger/profiler, with mpi support, compiled with gcc