



SPEC® CFP2006 Result

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Fujitsu Siemens Computers

CELSIUS M460, Intel Core 2 Quad Q9450

SPECfp®_rate2006 = 44.7

CPU2006 license: 22

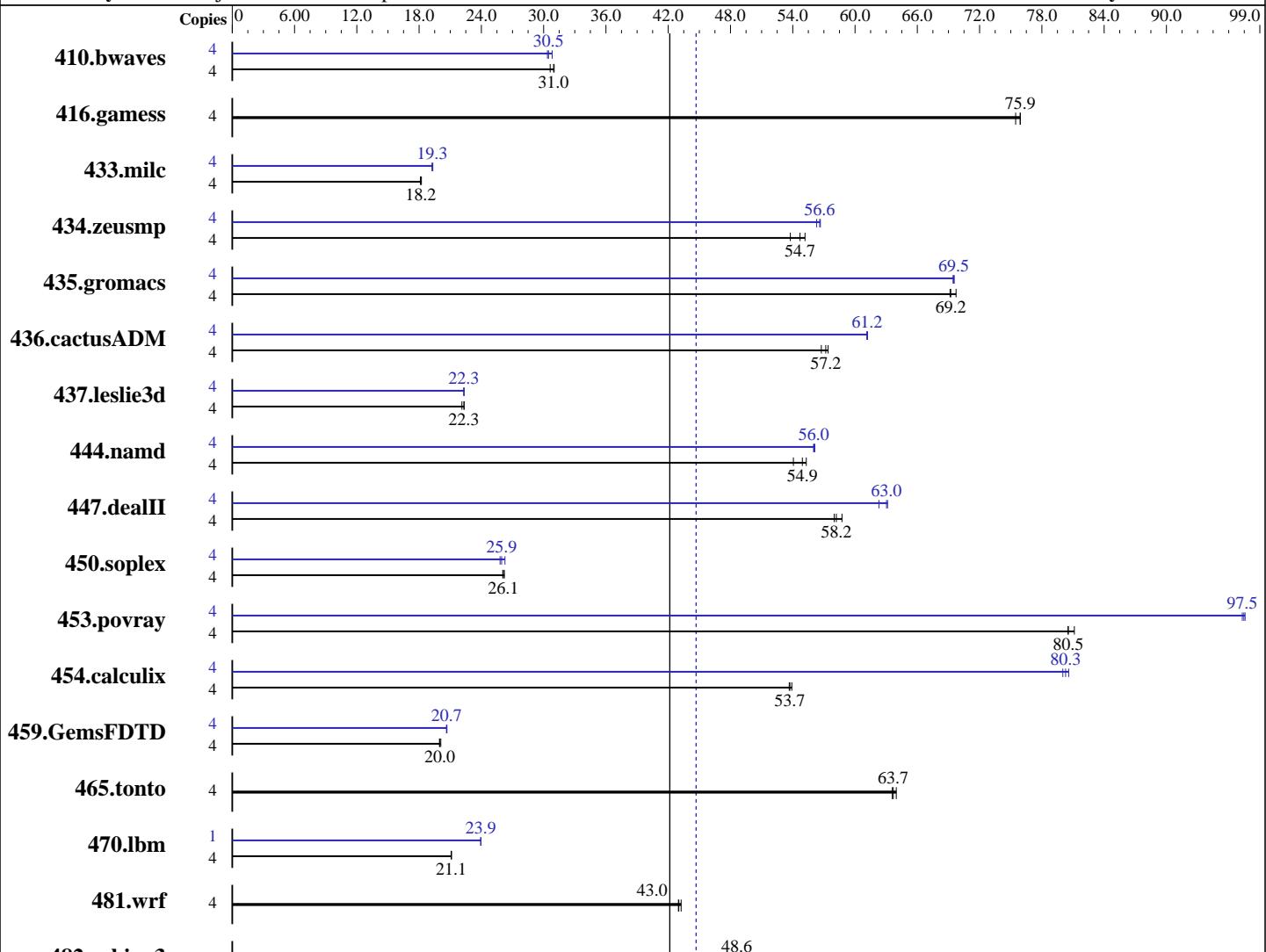
Test date: Mar-2008

Test sponsor: Fujitsu Siemens Computers

Hardware Availability: Mar-2008

Tested by: Fujitsu Siemens Computers

Software Availability: Nov-2007



SPECfp_rate_base2006 = 42.2

SPECfp_rate2006 = 44.7

Hardware

CPU Name: Intel Core 2 Quad Q9450
 CPU Characteristics:
 CPU MHz: 2667
 FPU: Integrated
 CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip
 CPU(s) orderable: 1 chip
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 12 MB I+D on chip per chip, 6 MB shared / 2 cores

Software

Operating System: Windows Vista Ultimate, 64 bit Version

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General Notes

For information about Fujitsu Siemens Computers please see:
<http://www.fujitsu-siemens.com/>

Base Compiler Invocation

C benchmarks:

 icl -Qvc8 -Qc99

C++ benchmarks:

 icl -Qvc8

Fortran benchmarks:

 ifort

Benchmarks using both Fortran and C:

 icl -Qvc8 -Qc99 ifort

Base Portability Flags

410.bwaves: -DSPEC_CPU_P64
416.gamess: -DSPEC_CPU_P64
 433.milc: -DSPEC_CPU_P64
434.zeusmp: -DSPEC_CPU_P64
435.gromacs: -DSPEC_CPU_P64
436.cactusADM: -DSPEC_CPU_P64 -Qlowercase -assume:underscore
437.leslie3d: -DSPEC_CPU_P64
 444.namd: -DSPEC_CPU_P64 -TP
447.dealII: -DSPEC_CPU_P64 -DDEAL_II_MEMBER_VAR_SPECIALIZATION_BUG
450.soplex: -DSPEC_CPU_P64
453.povray: -DSPEC_CPU_P64 -DSPEC_CPU_WINDOWS_ICL
454.calculix: -DSPEC_CPU_P64 -DSPEC_CPU_NOZMODIFIER -Qlowercase
459.GemsFDTD: -DSPEC_CPU_P64
465.tonto: -DSPEC_CPU_P64
470.lbm: -DSPEC_CPU_P64
 481.wrf: -DSPEC_CPU_P64 -DSPEC_CPU_WINDOWS_ICL
482.sphinx3: -DSPEC_CPU_P64

Base Optimization Flags

C benchmarks:

 -fast -F9500000000 shlw64M.lib

C++ benchmarks:

 -fast -Qcxx-features -F9500000000 shlw64M.lib

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Base Optimization Flags (Continued)

Fortran benchmarks:

-fast -F950000000

Benchmarks using both Fortran and C:

-fast -F950000000

Peak Compiler Invocation

C benchmarks:

icl -Qvc8 -Qc99

C++ benchmarks:

icl -Qvc8

Fortran benchmarks:

ifort

Benchmarks using both Fortran and C:

icl -Qvc8 -Qc99 ifort

Peak Portability Flags

Same as Base Portability Flags

Peak Optimization Flags

C benchmarks:

433.milc: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -F950000000

470.lbm: -fast -Qunroll12 -Qscalar-rep- -Qprefetch -F950000000

482.sphinx3: basepeak = yes

C++ benchmarks:

444.namd: -fast -Oa -F9500000000 shlw64M.lib

447.dealII: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx-features
-F950000000

450.soplex: Same as 447.dealII

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Peak Optimization Flags (Continued)

453.povray: Same as 447.dealII

Fortran benchmarks:

410.bwaves: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -F950000000

416.gamess: basepeak = yes

434.zeusmp: -QxT -O2 -Qprec-div- -Qunroll10 -Qscalar-rep- -F950000000

437.leslie3d: Same as 410.bwaves

459.GemsFDTD: -fast -Qunroll12 -Ob0 -Qprefetch -F950000000

465.tonto: basepeak = yes

Benchmarks using both Fortran and C:

435.gromacs: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -F950000000

436.cactusADM: -fast -Qunroll12 -Qprefetch -F950000000

454.calculix: -fast -Qunroll-aggressive -F950000000

481.wrf: basepeak = yes

The flags file that was used to format this result can be browsed at

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090713.03.html

You can also download the XML flags source by saving the following link:

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090713.03.xml

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For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.0.

Report generated on Tue Jul 22 17:49:55 2014 by SPEC CPU2006 PS/PDF formatter v6932.

Originally published on 3 April 2008.