



SPEC® CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECfp®_rate2006 = 32.1

CELSIUS M460, Intel Core 2 Duo E8400

SPECfp_rate_base2006 = 30.0

CPU2006 license: 22

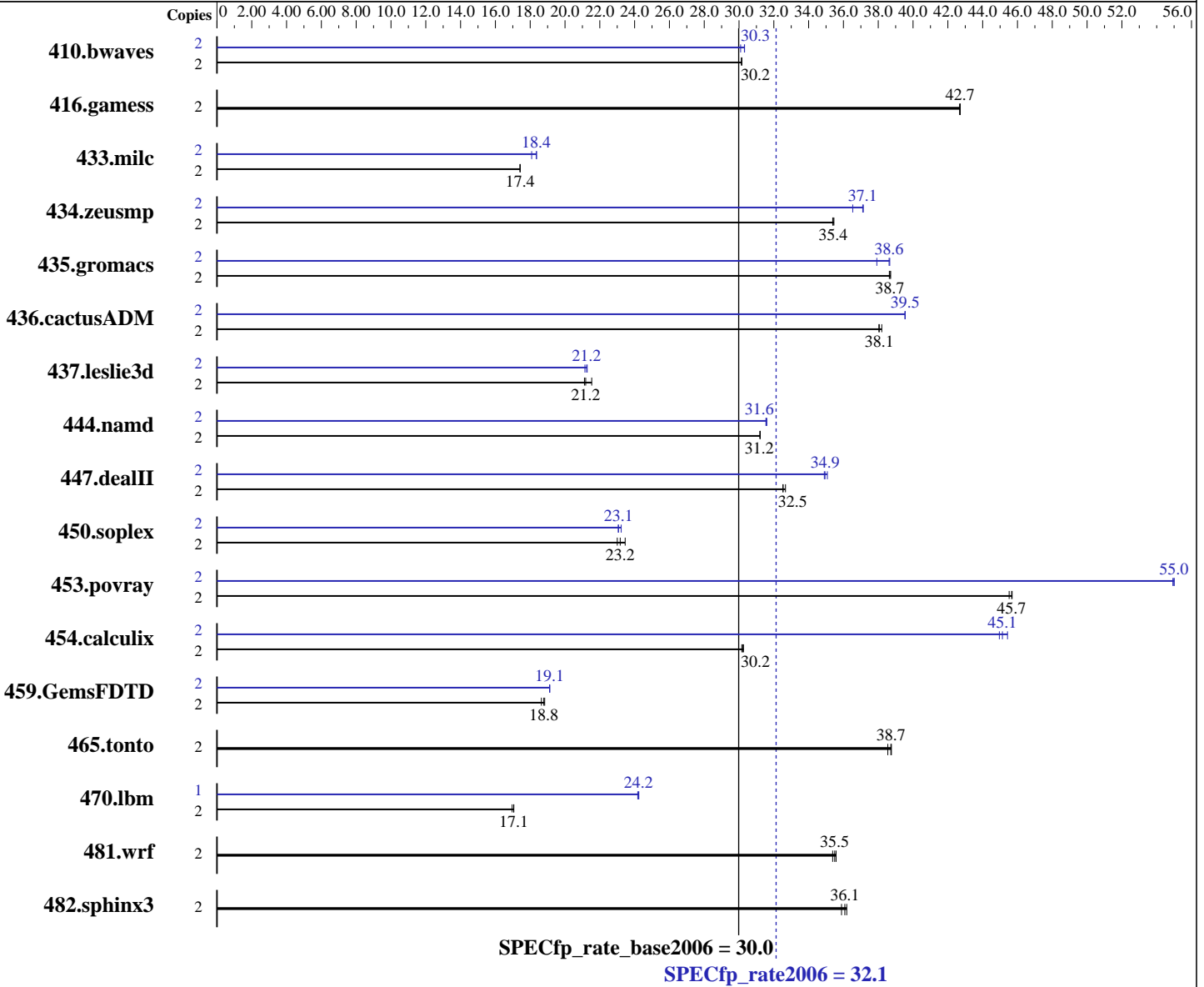
Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Mar-2008

Hardware Availability: Mar-2008

Software Availability: Nov-2007



Hardware

CPU Name: Intel Core 2 Duo E8400
 CPU Characteristics:
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1 chip
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 6 MB I+D on chip per chip

Continued on next page

Software

Operating System: Windows Vista Ultimate, 64 bit Version

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECfp_rate2006 = **32.1**

CELSIUS M460, Intel Core 2 Duo E8400

SPECfp_rate_base2006 = 30.0

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Mar-2008

Hardware Availability: Mar-2008

Software Availability: Nov-2007

L3 Cache: None
Other Cache: None
Memory: 4 GB (4x1 GB PC2-6400 CL6 SDRAM)
Disk Subsystem: 1 x 400 GB SATA 7200 RPM
Other Hardware: None

Compiler: Intel C++ Compiler for applications running on Intel 64, Version 10.1, Build 20070913
Intel Visual Fortran Compiler for applications running on Intel 64, Version 10.1, Build 20070913
Microsoft Visual Studio 2005 with SP1 (for libraries)
Auto Parallel: No
File System: NTFS
System State: Default
Base Pointers: 64-bit
Peak Pointers: 64-bit
Other Software: SmartHeap Library Version 8.0 (64 bit) from <http://www.microquill.com/>

Results Table

| Benchmark | Base | | | | | | | Peak | | | | | | |
|---------------|--------|-------------|-------------|------------|-------------|-------------|-------------|--------|-------------|-------------|------------|-------------|-------------|-------------|
| | Copies | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Copies | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio |
| 410.bwaves | 2 | 901 | 30.2 | 902 | 30.1 | 901 | 30.2 | 2 | 903 | 30.1 | 896 | 30.3 | 897 | 30.3 |
| 416.gamess | 2 | 918 | 42.7 | 917 | 42.7 | 917 | 42.7 | 2 | 918 | 42.7 | 917 | 42.7 | 917 | 42.7 |
| 433.milc | 2 | 1054 | 17.4 | 1054 | 17.4 | 1054 | 17.4 | 2 | 1015 | 18.1 | 1000 | 18.4 | 1000 | 18.4 |
| 434.zeusmp | 2 | 514 | 35.4 | 513 | 35.5 | 514 | 35.4 | 2 | 498 | 36.5 | 490 | 37.1 | 490 | 37.1 |
| 435.gromacs | 2 | 370 | 38.6 | 369 | 38.7 | 369 | 38.7 | 2 | 377 | 37.9 | 370 | 38.6 | 369 | 38.7 |
| 436.cactusADM | 2 | 626 | 38.2 | 628 | 38.1 | 628 | 38.0 | 2 | 604 | 39.6 | 604 | 39.5 | 605 | 39.5 |
| 437.leslie3d | 2 | 873 | 21.5 | 887 | 21.2 | 890 | 21.1 | 2 | 884 | 21.3 | 889 | 21.1 | 885 | 21.2 |
| 444.namd | 2 | 514 | 31.2 | 514 | 31.2 | 514 | 31.2 | 2 | 508 | 31.6 | 508 | 31.6 | 508 | 31.5 |
| 447.dealII | 2 | 700 | 32.7 | 703 | 32.5 | 703 | 32.5 | 2 | 655 | 34.9 | 652 | 35.1 | 656 | 34.9 |
| 450.soplex | 2 | 725 | 23.0 | 720 | 23.2 | 711 | 23.5 | 2 | 723 | 23.1 | 723 | 23.1 | 718 | 23.2 |
| 453.povray | 2 | 233 | 45.7 | 234 | 45.5 | 233 | 45.7 | 2 | 194 | 54.9 | 194 | 55.0 | 193 | 55.0 |
| 454.calculix | 2 | 545 | 30.3 | 546 | 30.2 | 547 | 30.2 | 2 | 363 | 45.4 | 366 | 45.1 | 367 | 45.0 |
| 459.GemsFDTD | 2 | 1130 | 18.8 | 1127 | 18.8 | 1138 | 18.6 | 2 | 1110 | 19.1 | 1110 | 19.1 | 1109 | 19.1 |
| 465.tonto | 2 | 508 | 38.8 | 508 | 38.7 | 511 | 38.5 | 2 | 508 | 38.8 | 508 | 38.7 | 511 | 38.5 |
| 470.lbm | 2 | 1611 | 17.1 | 1611 | 17.1 | 1620 | 17.0 | 1 | 568 | 24.2 | 567 | 24.2 | 567 | 24.2 |
| 481.wrf | 2 | 629 | 35.5 | 628 | 35.6 | 631 | 35.4 | 2 | 629 | 35.5 | 628 | 35.6 | 631 | 35.4 |
| 482.sphinx3 | 2 | 1080 | 36.1 | 1077 | 36.2 | 1086 | 35.9 | 2 | 1080 | 36.1 | 1077 | 36.2 | 1086 | 35.9 |

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

Platform Notes

BIOS default settings have been used.



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECfp_rate2006 = 32.1

CELSIUS M460, Intel Core 2 Duo E8400

SPECfp_rate_base2006 = 30.0

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Mar-2008

Hardware Availability: Mar-2008

Software Availability: Nov-2007

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 -F950000000 sh1W64M.lib

C++ benchmarks:
-fast -Qcxx-features -F950000000 sh1W64M.lib

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECfp_rate2006 = 32.1

CELSIUS M460, Intel Core 2 Duo E8400

SPECfp_rate_base2006 = 30.0

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Mar-2008

Hardware Availability: Mar-2008

Software Availability: Nov-2007

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 -Qunroll2 -Qscalar-rep- -Qprefetch -F950000000

482.sphinx3: basepeak = yes

C++ benchmarks:

444.namd: -fast -Oa -F950000000 sh1W64M.lib

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

450.soplex: Same as 447.dealII

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECfp_rate2006 = 32.1

CELSIUS M460, Intel Core 2 Duo E8400

SPECfp_rate_base2006 = 30.0

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Mar-2008

Hardware Availability: Mar-2008

Software Availability: Nov-2007

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- -Qunroll0 -Qscalar-rep- -F950000000

437.leslie3d: Same as 410.bwaves

459.GemsFDTD: -fast -Qunroll2 -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 -Qunroll2 -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

SPEC and SPECfp are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 17:56:40 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 3 April 2008.