



SPEC® CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECfp®2006 = 14.0

CELSIUS R540, Intel Xeon processor E5335

SPECfp_base2006 = 13.6

CPU2006 license: 22

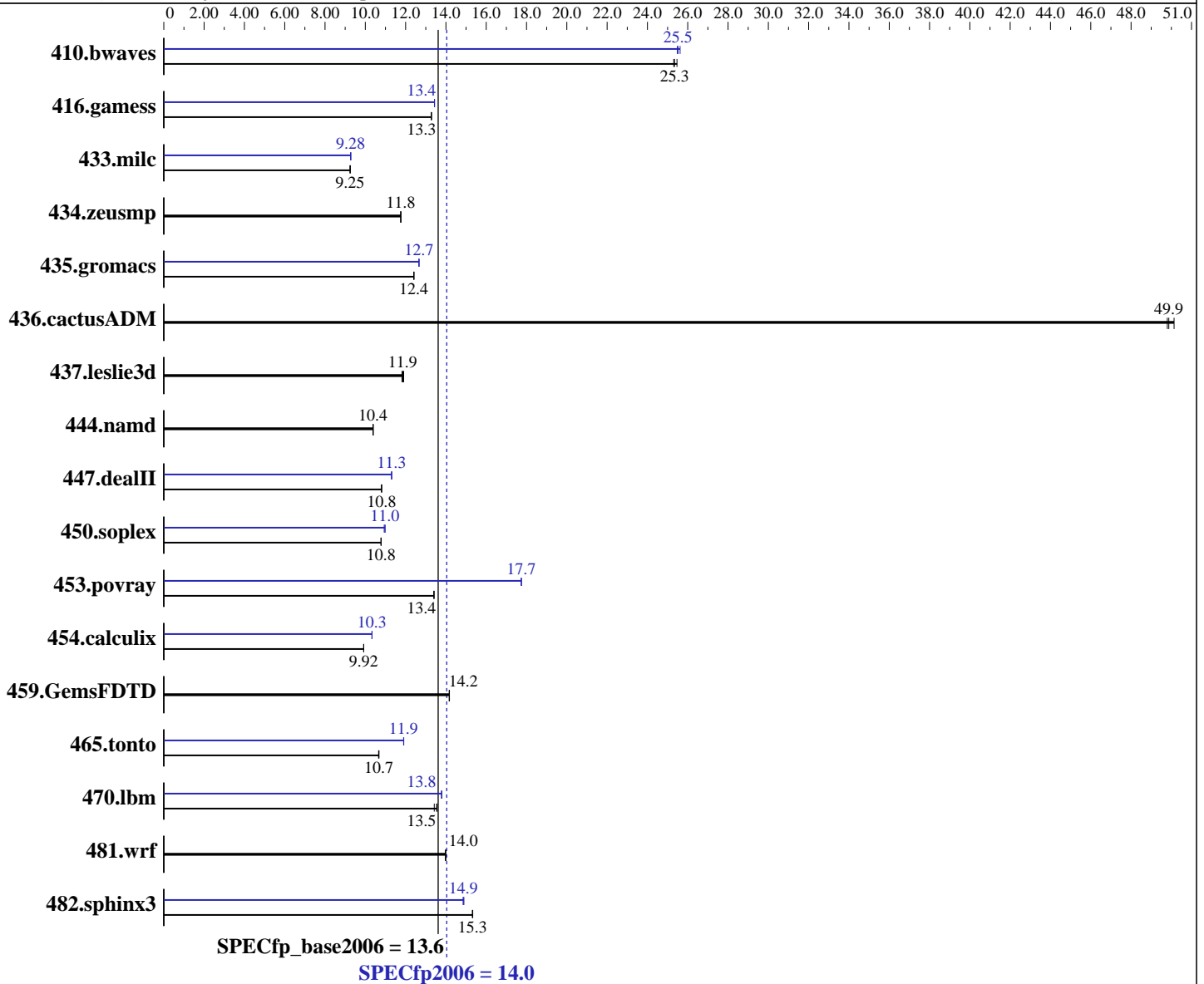
Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Feb-2007

Hardware Availability: Nov-2006

Software Availability: Nov-2006



Hardware

CPU Name: Intel Xeon E5335
 CPU Characteristics: E5335
 CPU MHz: 2000
 FPU: Integrated
 CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
 CPU(s) orderable: 1,2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 8 MB I+D on chip per chip, 4 MB shared / 2 cores

Continued on next page

Software

Operating System: Windows XP, 64 bit Edition
 Compiler: Intel C++ Compiler for EM64T-based applications
 - version 9.1, Build 20061104
 Intel Fortran Compiler for EM64T-based applications
 - version 9.1, Build 20061104
 Microsoft Visual Studio 2005 (for libraries)
 Auto Parallel: Yes
 File System: NTFS

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECfp2006 = **14.0**

CELSIUS R540, Intel Xeon processor E5335

SPECfp_base2006 = **13.6**

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Feb-2007

Hardware Availability: Nov-2006

Software Availability: Nov-2006

L3 Cache: None
 Other Cache: None
 Memory: 8 GB (4x2 GB DDR2 5300F, 2 rank, CL5-5-5,with ECC)
 Disk Subsystem: SATA II 7200 rpm
 Other Hardware: None

System State: Default
 Base Pointers: 64-bit
 Peak Pointers: 64-bit
 Other Software: None

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	536	25.3	537	25.3	534	25.5	530	25.6	533	25.5	533	25.5
416.gamess	1475	13.3	1475	13.3	1475	13.3	1457	13.4	1457	13.4	1457	13.4
433.milc	992	9.26	993	9.25	993	9.24	990	9.27	989	9.28	990	9.28
434.zeusmp	774	11.8	774	11.8	774	11.8	774	11.8	774	11.8	774	11.8
435.gromacs	575	12.4	575	12.4	575	12.4	564	12.7	564	12.7	564	12.7
436.cactusADM	238	50.1	240	49.8	240	49.9	238	50.1	240	49.8	240	49.9
437.leslie3d	792	11.9	790	11.9	795	11.8	792	11.9	790	11.9	795	11.8
444.namd	772	10.4	772	10.4	772	10.4	772	10.4	772	10.4	772	10.4
447.dealII	1059	10.8	1059	10.8	1059	10.8	1012	11.3	1012	11.3	1012	11.3
450.soplex	773	10.8	773	10.8	774	10.8	760	11.0	760	11.0	763	10.9
453.povray	397	13.4	397	13.4	397	13.4	300	17.7	300	17.7	300	17.7
454.calculix	832	9.92	832	9.92	832	9.92	798	10.3	799	10.3	798	10.3
459.GemsFDTD	749	14.2	748	14.2	749	14.2	749	14.2	748	14.2	749	14.2
465.tonto	922	10.7	922	10.7	923	10.7	827	11.9	827	11.9	826	11.9
470.lbm	1024	13.4	1014	13.5	1014	13.5	997	13.8	996	13.8	997	13.8
481.wrf	799	14.0	799	14.0	799	14.0	799	14.0	799	14.0	799	14.0
482.sphinx3	1273	15.3	1272	15.3	1271	15.3	1309	14.9	1311	14.9	1312	14.9

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, except:
 Snoop Filter Enabled
 Adjacent Cache Line Prefetch Enabled

General Notes

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



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECfp2006 = 14.0

CELSIUS R540, Intel Xeon processor E5335

SPECfp_base2006 = 13.6

CPU2006 license: 22

Test date: Feb-2007

Test sponsor: Fujitsu Siemens Computers

Hardware Availability: Nov-2006

Tested by: Fujitsu Siemens Computers

Software Availability: Nov-2006

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: -D_Complex= -DSPEC_CPU_P64
434.zeusmp: -DSPEC_CPU_P64
435.gromacs: -D_Complex= -DSPEC_CPU_P64
436.cactusADM: -D_Complex= -DSPEC_CPU_P64 -Qlowercase /assume:underscore
437.leslie3d: -DSPEC_CPU_P64
444.namd: -DSPEC_CPU_P64 /TP
447.dealII: -D_Complex= -DSPEC_CPU_P64 -DBOOST_NO_INTRINSIC_WCHAR_T
-DDEAL_II_MEMBER_VAR_SPECIALIZATION_BUG
450.soplex: -DSPEC_CPU_P64
453.povray: -DSPEC_CPU_P64 -DSPEC_CPU_WINDOWS_ICL
454.calculix: -D_Complex= -DSPEC_CPU_P64 -DSPEC_CPU_NOZMODIFIER
-Qlowercase
459.GemsFDTD: -DSPEC_CPU_P64
465.tonto: -DSPEC_CPU_P64
470.lbm: -D_Complex= -DSPEC_CPU_P64
481.wrf: -DSPEC_CPU_P64 -DSPEC_CPU_WINDOWS_ICL
482.sphinx3: -D_Complex= -DSPEC_CPU_P64

Base Optimization Flags

C benchmarks:

-fast -Qparallel -F950000000

C++ benchmarks:

-fast -Qparallel -Qcxx-features -F950000000

Fortran benchmarks:

-fast -Qparallel -F950000000

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECfp2006 = 14.0

CELSIUS R540, Intel Xeon processor E5335

SPECfp_base2006 = 13.6

CPU2006 license: 22

Test date: Feb-2007

Test sponsor: Fujitsu Siemens Computers

Hardware Availability: Nov-2006

Tested by: Fujitsu Siemens Computers

Software Availability: Nov-2006

Base Optimization Flags (Continued)

Benchmarks using both Fortran and C:

`-fast -Qparallel -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:

`-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -F950000000`

C++ benchmarks:

444.namd: `basepeak = yes`

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

450.soplex: Same as 447.dealII

453.povray: Same as 447.dealII

Fortran benchmarks:

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

416.gamess: `-fast -F950000000`

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECfp2006 = 14.0

CELSIUS R540, Intel Xeon processor E5335

SPECfp_base2006 = 13.6

CPU2006 license: 22

Test date: Feb-2007

Test sponsor: Fujitsu Siemens Computers

Hardware Availability: Nov-2006

Tested by: Fujitsu Siemens Computers

Software Availability: Nov-2006

Peak Optimization Flags (Continued)

434.zeusmp: basepeak = yes

437.leslie3d: basepeak = yes

459.GemsFDTD: basepeak = yes

465.tonto: Same as 410.bwaves

Benchmarks using both Fortran and C:

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

436.cactusADM: basepeak = yes

454.calculix: Same as 435.gromacs

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.20090715.20.html

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

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090715.20.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 10:44:16 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 20 March 2007.