SPEC® CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

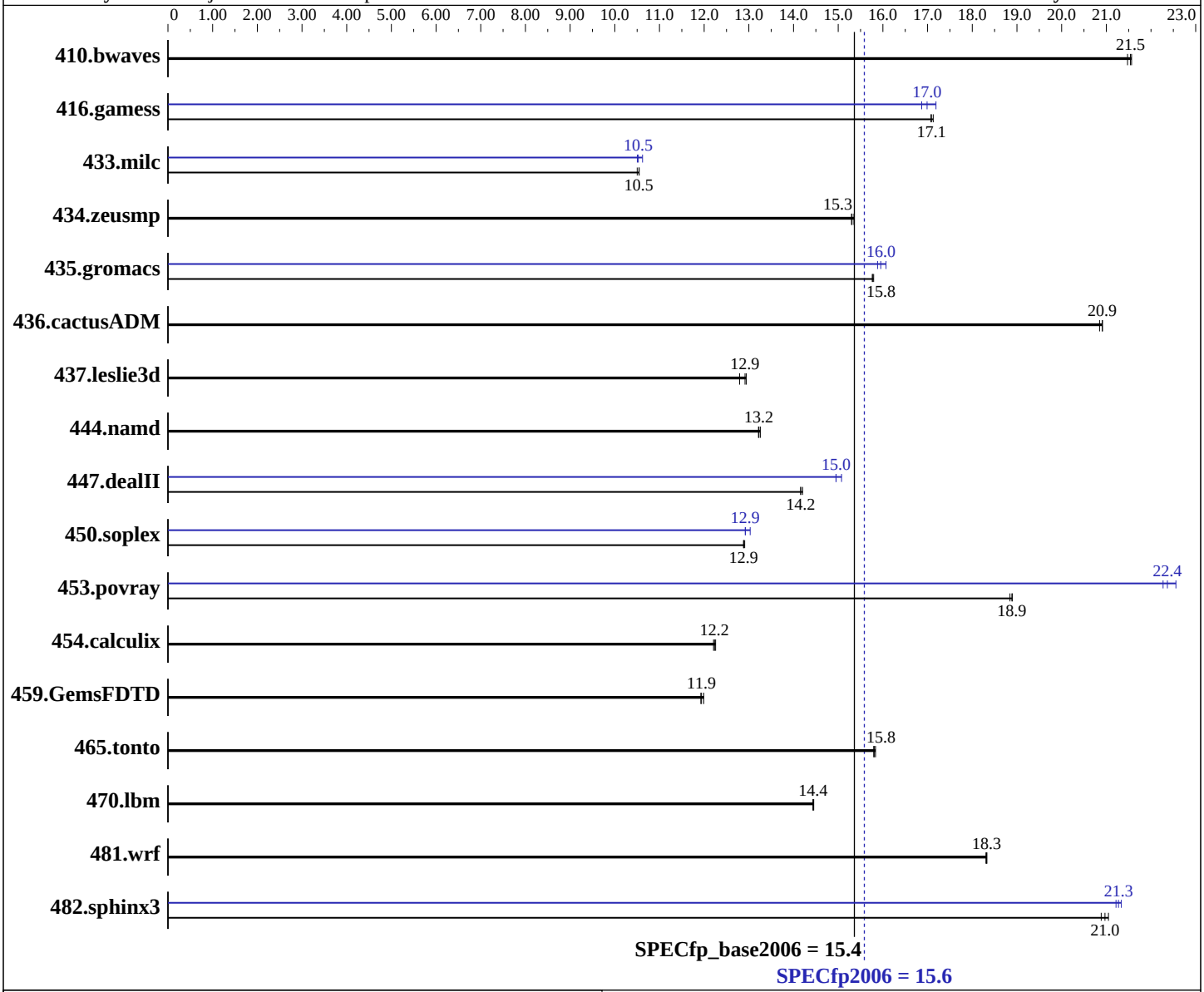
CELSIUS H250, Intel Core 2 Duo T7700 processor

SPECfp®2006 = 15.6

SPECfp_base2006 = 15.4

CPU2006 license: 22
Test sponsor: Fujitsu Siemens Computers
Tested by: Fujitsu Siemens Computers

Test date: Aug-2007
Hardware Availability: Jul-2007
Software Availability: Jun-2007



Hardware

CPU Name:	Intel Core 2 Duo T7700
CPU Characteristics:	
CPU MHz:	2400
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:	4 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

CELSIUS H250, Intel Core 2 Duo T7700 processor

SPECfp2006 = 15.6

SPECfp_base2006 = 15.4

CPU2006 license: 22
Test sponsor: Fujitsu Siemens Computers
Tested by: Fujitsu Siemens Computers

Test date: Aug-2007
Hardware Availability: Jul-2007
Software Availability: Jun-2007

L3 Cache: None
Other Cache: None
Memory: 2 GB (2x1 GB 667 MHz CL5 DDR2 SDRAM)
Disk Subsystem: 1 x 80 GB SATA 7200 RPM
Other Hardware: None

Compiler: Intel C++ Compiler
. for applications running on Intel 64,
. Version 10.0.026, Build 20070613
Intel Visual Fortran Compiler
. for applications running on Intel 64,
. Version 10.0.026, Build 20070613
Microsoft Visual Studio 2005 with SP1
. (for libraries)
Auto Parallel: Yes
File System: NTFS
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	633	21.5	**631**	**21.5**	630	21.6	633	21.5	**631**	**21.5**	630	21.6
416.gamess	1147	17.1	**1146**	**17.1**	1143	17.1	1139	17.2	1161	16.9	**1153**	**17.0**
433.milc	874	10.5	870	10.5	**871**	**10.5**	864	10.6	**872**	**10.5**	874	10.5
434.zeusmp	595	15.3	**594**	**15.3**	593	15.4	595	15.3	**594**	**15.3**	593	15.4
435.gromacs	453	15.8	**453**	**15.8**	452	15.8	444	16.1	450	15.9	**448**	**16.0**
436.cactusADM	573	20.8	**571**	**20.9**	571	20.9	573	20.8	**571**	**20.9**	571	20.9
437.leslie3d	735	12.8	726	12.9	**728**	**12.9**	735	12.8	726	12.9	**728**	**12.9**
444.namd	**606**	**13.2**	607	13.2	605	13.3	**606**	**13.2**	607	13.2	605	13.3
447.dealII	**808**	**14.2**	808	14.2	805	14.2	759	15.1	**765**	**15.0**	765	15.0
450.soplex	646	12.9	647	12.9	**647**	**12.9**	640	13.0	646	12.9	**645**	**12.9**
453.povray	282	18.9	282	18.8	**282**	**18.9**	236	22.6	**238**	**22.4**	239	22.3
454.calculix	**674**	**12.2**	676	12.2	673	12.3	**674**	**12.2**	676	12.2	673	12.3
459.GemsFDTD	885	12.0	**889**	**11.9**	890	11.9	885	12.0	**889**	**11.9**	890	11.9
465.tonto	621	15.8	623	15.8	**622**	**15.8**	621	15.8	623	15.8	**622**	**15.8**
470.lbm	951	14.5	**952**	**14.4**	952	14.4	951	14.5	**952**	**14.4**	952	14.4
481.wrf	**610**	**18.3**	610	18.3	609	18.3	**610**	**18.3**	610	18.3	609	18.3
482.sphinx3	933	20.9	**929**	**21.0**	926	21.0	919	21.2	**916**	**21.3**	913	21.3

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.
```

General Notes

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

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 -Qparallel -F950000000
```

C++ benchmarks:
```
-fast -Qparallel -Qcxx-features -F950000000
```

Continued on next page

Base Optimization Flags (Continued)

Fortran benchmarks:
`-fast -Qparallel -F950000000`

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:

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

470.lbm: `basepeak = yes`

482.sphinx3: `Same as 433.milc`

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`

Continued on next page

Peak Optimization Flags (Continued)

453.povray: `Same as 447.dealII`

Fortran benchmarks:

410.bwaves: `basepeak = yes`

416.gamess: `-fast -F950000000`

434.zeusmp: `basepeak = yes`

437.leslie3d: `basepeak = yes`

459.GemsFDTD: `basepeak = yes`

465.tonto: `basepeak = yes`

Benchmarks using both Fortran and C:

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

436.cactusADM: `basepeak = yes`

454.calculix: `basepeak = yes`

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.20090714.32.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.32.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 13:12:21 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 4 September 2007.