



SPEC® CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

PRIMERGY TX150 S5, Intel Pentium D processor 925,
3.0 GHz

SPECfp®_rate2006 = 18.9

SPECfp_rate_base2006 = 18.4

CPU2006 license: 22

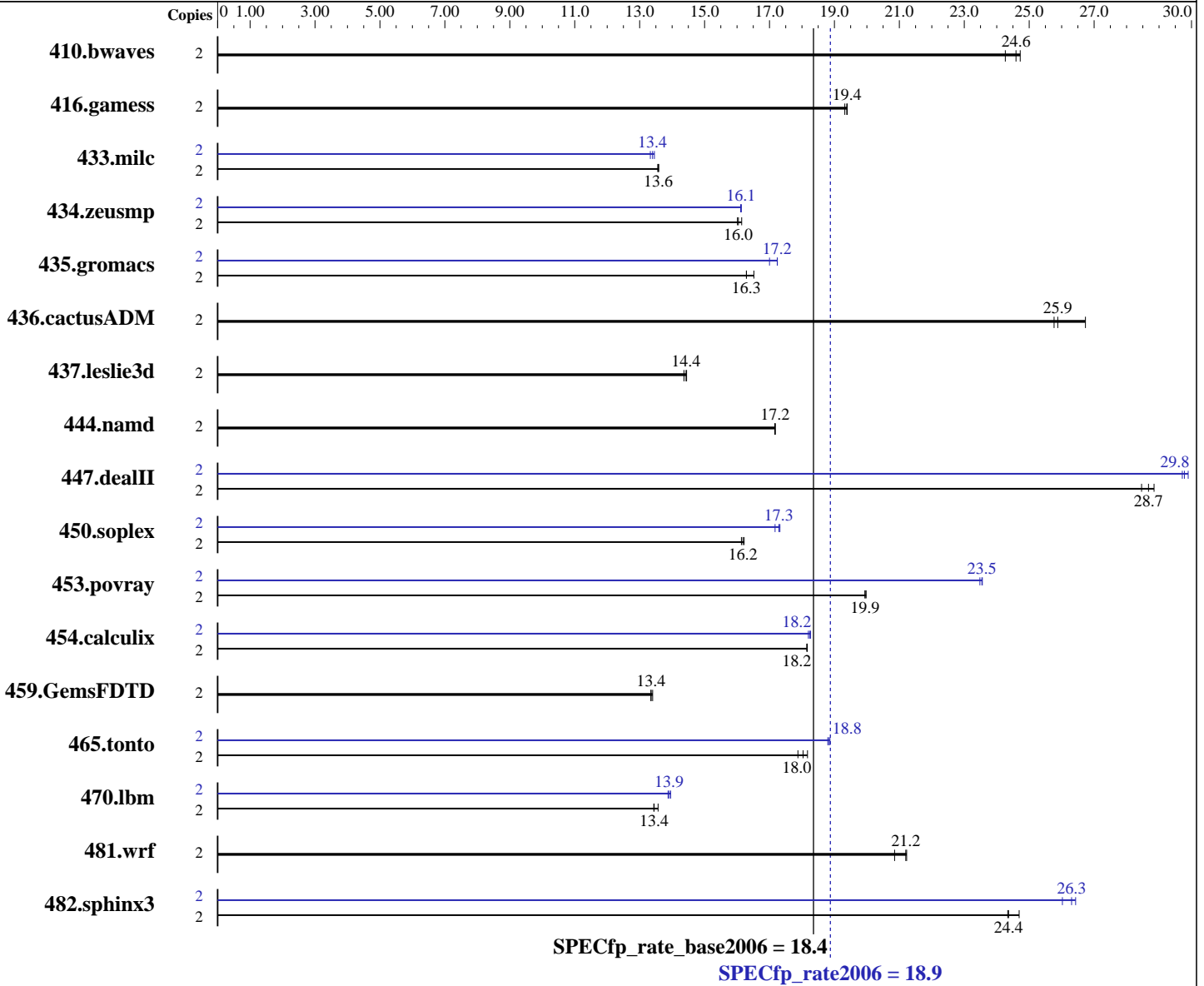
Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Jun-2007

Hardware Availability: Oct-2006

Software Availability: Mar-2007



Hardware

CPU Name: Intel Pentium D 925
 CPU Characteristics: 800 MHz system bus
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1 chip
 Primary Cache: 12 K micro-ops I + 16 KB D on chip per core
 Secondary Cache: 2 MB I+D on chip per core

Continued on next page

Software

Operating System: 64-Bit SUSE LINUX Enterprise Server 10, Kernel 2.6.16.21-0.8-smp on an x86_64
 Compiler: Intel C++ Compiler for IA32/EM64T application, Version 9.1 - Build 20070215, Package-ID: l_cc_p_9.1.047
 Intel Fortran Compiler for IA32/EM64T application, Version 9.1 - Build 20070215, Package ID: l_fc_p_9.1.043
 Auto Parallel: No
 File System: ReiserFS

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

PRIMERGY TX150 S5, Intel Pentium D processor 925,
3.0 GHz

SPECfp_rate2006 = 18.9

SPECfp_rate_base2006 = 18.4

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Jun-2007

Hardware Availability: Oct-2006

Software Availability: Mar-2007

L3 Cache: None
Other Cache: None
Memory: 8 GB (4x2 GB DDR2 PC2-4200E, 2 rank, CAS 4-4-4, with ECC)
Disk Subsystem: SATA(160GB 7200 rpm)
Other Hardware: None

System State: Multiuser, Runlevel 3
Base Pointers: 64-bit
Peak Pointers: 32/64-bit
Other Software: None

Results Table

Benchmark	Base								Peak							
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio		
410.bwaves	2	1120	24.3	1099	24.7	1105	24.6	2	1120	24.3	1099	24.7	1105	24.6		
416.gamess	2	2027	19.3	2021	19.4	2019	19.4	2	2027	19.3	2021	19.4	2019	19.4		
433.milc	2	1354	13.6	1353	13.6	1351	13.6	2	1377	13.3	1365	13.5	1370	13.4		
434.zeusmp	2	1137	16.0	1135	16.0	1127	16.1	2	1129	16.1	1130	16.1	1128	16.1		
435.gromacs	2	864	16.5	877	16.3	877	16.3	2	828	17.2	828	17.2	840	17.0		
436.cactusADM	2	928	25.8	923	25.9	894	26.7	2	928	25.8	923	25.9	894	26.7		
437.leslie3d	2	1309	14.4	1303	14.4	1301	14.4	2	1309	14.4	1303	14.4	1301	14.4		
444.namd	2	934	17.2	935	17.2	934	17.2	2	934	17.2	935	17.2	934	17.2		
447.dealII	2	804	28.5	793	28.8	798	28.7	2	770	29.7	765	29.9	768	29.8		
450.soplex	2	1031	16.2	1034	16.1	1028	16.2	2	965	17.3	971	17.2	963	17.3		
453.povray	2	533	20.0	533	19.9	534	19.9	2	453	23.5	452	23.6	452	23.5		
454.calculix	2	909	18.1	908	18.2	908	18.2	2	903	18.3	905	18.2	907	18.2		
459.GemsFDTD	2	1584	13.4	1589	13.4	1590	13.3	2	1584	13.4	1589	13.4	1590	13.3		
465.tonto	2	1091	18.0	1101	17.9	1083	18.2	2	1043	18.9	1047	18.8	1046	18.8		
470.lbm	2	2025	13.6	2045	13.4	2044	13.4	2	1969	14.0	1981	13.9	1975	13.9		
481.wrf	2	1071	20.9	1054	21.2	1053	21.2	2	1071	20.9	1054	21.2	1053	21.2		
482.sphinx3	2	1579	24.7	1602	24.3	1600	24.4	2	1482	26.3	1498	26.0	1475	26.4		

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

Operating System Notes

'ulimit -s unlimited' was used to set the stacksize to unlimited prior to run
'/usr/bin/taskset' used to bind processes to CPUs

General Notes

The system bus runs at 800 MHz

All binaries were built with 64-bit Intel compiler except:
433.milc, 434.zeusmp, 450.soplex, 470.lbm and 482.sphinx3 in peak were built with
32-bit Intel compiler by changing the path for include and library files.

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

PRIMERGY TX150 S5, Intel Pentium D processor 925,
3.0 GHz

SPECfp_rate2006 = 18.9

SPECfp_rate_base2006 = 18.4

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Jun-2007

Hardware Availability: Oct-2006

Software Availability: Mar-2007

General Notes (Continued)

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

Base Compiler Invocation

C benchmarks:

icc

C++ benchmarks:

icpc

Fortran benchmarks:

ifort

Benchmarks using both Fortran and C:

icc ifort

Base Portability Flags

```

410.bwaves: -DSPEC_CPU_LP64
416.gamess: -DSPEC_CPU_LP64
433.milc: -DSPEC_CPU_LP64
434.zeusmp: -DSPEC_CPU_LP64
435.gromacs: -DSPEC_CPU_LP64 -nofor_main
436.cactusADM: -DSPEC_CPU_LP64 -nofor_main
437.leslie3d: -DSPEC_CPU_LP64
444.namd: -DSPEC_CPU_LP64
447.deallI: -DSPEC_CPU_LP64
450.soplex: -DSPEC_CPU_LP64
453.povray: -DSPEC_CPU_LP64
454.calculix: -DSPEC_CPU_LP64 -nofor_main
459.GemsFDTD: -DSPEC_CPU_LP64
465.tonto: -DSPEC_CPU_LP64
470.lbm: -DSPEC_CPU_LP64
481.wrf: -DSPEC_CPU_LP64 -DSPEC_CPU_CASE_FLAG -DSPEC_CPU_LINUX
482.sphinx3: -DSPEC_CPU_LP64

```

Base Optimization Flags

C benchmarks:

-fast

C++ benchmarks:

-fast

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

PRIMERGY TX150 S5, Intel Pentium D processor 925,
3.0 GHz

SPECfp_rate2006 = 18.9

SPECfp_rate_base2006 = 18.4

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Jun-2007

Hardware Availability: Oct-2006

Software Availability: Mar-2007

Base Optimization Flags (Continued)

Fortran benchmarks:

-fast

Benchmarks using both Fortran and C:

-fast

Peak Compiler Invocation

C benchmarks:

/opt/intel/cc/9.1.047/bin/icc -I/opt/intel/cc/9.1.047/include
-L/opt/intel/cc/9.1.047/lib

C++ benchmarks (except as noted below):

icpc

450.soplex: /opt/intel/cc/9.1.047/bin/icpc
-I/opt/intel/cc/9.1.047/include -L/opt/intel/cc/9.1.047/lib

Fortran benchmarks (except as noted below):

ifort

434.zeusmp: /opt/intel/fc/9.1.043/bin/ifort
-I/opt/intel/fc/9.1.043/include -L/opt/intel/fc/9.1.043/lib

Benchmarks using both Fortran and C:

icc ifort

Peak Portability Flags

410.bwaves: -DSPEC_CPU_LP64
416.gamess: -DSPEC_CPU_LP64
435.gromacs: -DSPEC_CPU_LP64 -nofor_main
436.cactusADM: -DSPEC_CPU_LP64 -nofor_main
437.leslie3d: -DSPEC_CPU_LP64
444.namd: -DSPEC_CPU_LP64
447.dealII: -DSPEC_CPU_LP64
453.povray: -DSPEC_CPU_LP64
454.calculix: -DSPEC_CPU_LP64 -nofor_main
459.GemsFDTD: -DSPEC_CPU_LP64
465.tonto: -DSPEC_CPU_LP64
481.wrf: -DSPEC_CPU_LP64 -DSPEC_CPU_CASE_FLAG -DSPEC_CPU_LINUX



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

PRIMERGY TX150 S5, Intel Pentium D processor 925,
3.0 GHz

SPECfp_rate2006 = 18.9

SPECfp_rate_base2006 = 18.4

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Jun-2007

Hardware Availability: Oct-2006

Software Availability: Mar-2007

Peak Optimization Flags

C benchmarks:

433.milc: -prof_gen(pass 1) -prof_use(pass 2) -fast

470.lbm: Same as 433.milc

482.sphinx3: -fast

C++ benchmarks:

444.namd: basepeak = yes

447.dealII: -prof_gen(pass 1) -prof_use(pass 2) -fast

450.soplex: Same as 447.dealII

453.povray: Same as 447.dealII

Fortran benchmarks:

410.bwaves: basepeak = yes

416.gamess: basepeak = yes

434.zeusmp: -fast

437.leslie3d: basepeak = yes

459.GemsFDTD: basepeak = yes

465.tonto: -prof_gen(pass 1) -prof_use(pass 2) -fast

Benchmarks using both Fortran and C:

435.gromacs: -prof_gen(pass 1) -prof_use(pass 2) -fast

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.20090714.09.html

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

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.09.xml



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

PRIMERGY TX150 S5, Intel Pentium D processor 925,
3.0 GHz

SPECfp_rate2006 = 18.9

SPECfp_rate_base2006 = 18.4

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Jun-2007

Hardware Availability: Oct-2006

Software Availability: Mar-2007

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 11:24:03 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 26 June 2007.