SPEC® CFP2006 Result

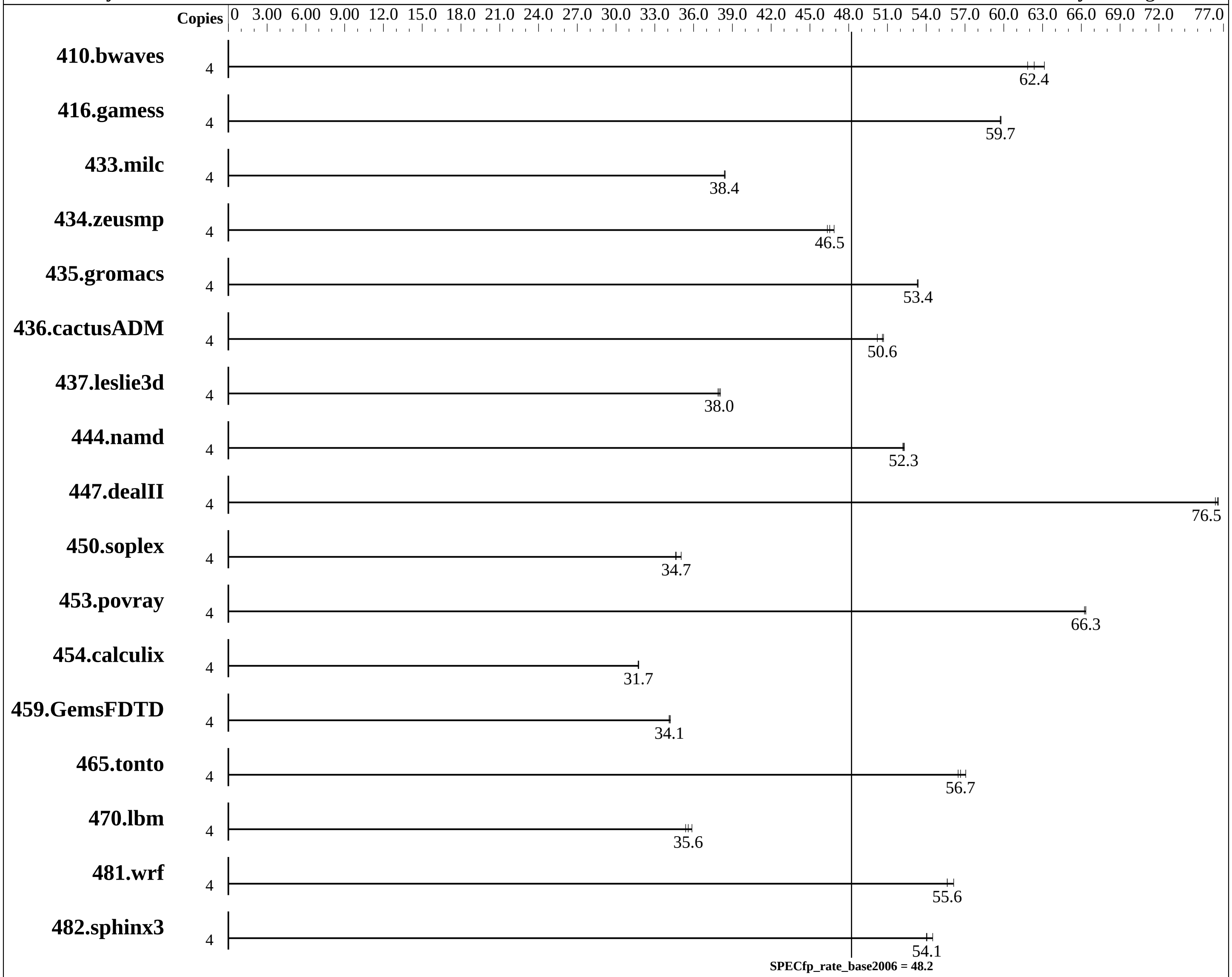
Dell Inc.

PowerEdge 2970 (AMD Opteron 2222 SE, 3.00GHz)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 48.2

CPU2006 license: 55		**Test date:**	Mar-2007
Test sponsor:	Dell Inc.	**Hardware Availability:**	Apr-2007
Tested by:	Dell Inc.	**Software Availability:**	Aug-2006



Hardware

CPU Name:	AMD Opteron 2222 SE
CPU Characteristics:	
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1,2 chips
Primary Cache:	64 KB I + 64 KB D on chip per core
Secondary Cache:	1 MB I+D on chip per core

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Software

Operating System:	SuSE Linux Enterprise Server 10 64-bit kernel
Compiler:	QLogic PathScale Compiler Suite, Release 2.5
Auto Parallel:	No
File System:	ReiserFS
System State:	Multi-user, run level 3
Base Pointers:	64-bit
Peak Pointers:	Not Applicable

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L3 Cache: None
Other Cache: None
Memory: 16 GB (8x2GB, DDR2-667 CL5 ECC Dual Rank)
Disk Subsystem: SAS, 73 GB
Other Hardware: None

Other Software: None

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	4	861	63.1	**872**	**62.4**	879	61.8							
416.gamess	4	1311	59.7	**1311**	**59.7**	1310	59.8							
433.milc	4	957	38.4	955	38.4	**957**	**38.4**							
434.zeusmp	4	777	46.9	785	46.3	**782**	**46.5**							
435.gromacs	4	535	53.4	536	53.3	**535**	**53.4**							
436.cactusADM	4	952	50.2	943	50.7	**944**	**50.6**							
437.leslie3d	4	987	38.1	992	37.9	**990**	**38.0**							
444.namd	4	615	52.2	613	52.3	**614**	**52.3**							
447.dealII	4	**598**	**76.5**	597	76.6	599	76.4							
450.soplex	4	952	35.0	**963**	**34.7**	964	34.6							
453.povray	4	321	66.2	321	66.4	**321**	**66.3**							
454.calculix	4	1039	31.8	**1040**	**31.7**	1041	31.7							
459.GemsFDTD	4	1241	34.2	**1244**	**34.1**	1244	34.1							
465.tonto	4	690	57.1	697	56.5	**695**	**56.7**							
470.lbm	4	1532	35.9	**1545**	**35.6**	1553	35.4							
481.wrf	4	796	56.1	**803**	**55.6**	803	55.6							
482.sphinx3	4	1430	54.5	**1442**	**54.1**	1443	54.0							

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

General Notes

```
Taskset utility used to bind CPU(s) to processes
Binaries were built on SuSE Linux Enterprise Server 9 SP3 64-bit
```

Base Compiler Invocation

C benchmarks:
`pathcc`

C++ benchmarks:
`pathCC`

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Base Compiler Invocation (Continued)

Fortran benchmarks:
`pathf95`

Benchmarks using both Fortran and C:
`pathcc pathf95`

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
436.cactusADM:	-DSPEC_CPU_LP64 -fno-second-underscore
437.leslie3d:	-DSPEC_CPU_LP64
444.namd:	-DSPEC_CPU_LP64
447.dealII:	-DSPEC_CPU_LP64 -DSPEC_CPU_TABLE_WORKAROUND
450.soplex:	-DSPEC_CPU_LP64
453.povray:	-DSPEC_CPU_LP64
454.calculix:	-DSPEC_CPU_LP64
459.GemsFDTD:	-DSPEC_CPU_LP64
465.tonto:	-DSPEC_CPU_LP64
470.lbm:	-DSPEC_CPU_LP64
481.wrf:	-DSPEC_CPU_LP64 -DSPEC_CPU_LINUX -fno-second-underscore
482.sphinx3:	-DSPEC_CPU_LP64

Base Optimization Flags

C benchmarks:
`-Ofast`

C++ benchmarks:
`-Ofast`

Fortran benchmarks:
`-Ofast`

Benchmarks using both Fortran and C:
`-Ofast`

Base Other Flags

C benchmarks:
`-IPA:max_jobs=2`

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Base Other Flags (Continued)

C++ benchmarks:
-IPA:max_jobs=2

Fortran benchmarks:
-IPA:max_jobs=2

Benchmarks using both Fortran and C:
-IPA:max_jobs=2

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.25.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.25.xml

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

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