SPEC® CFP2006 Result

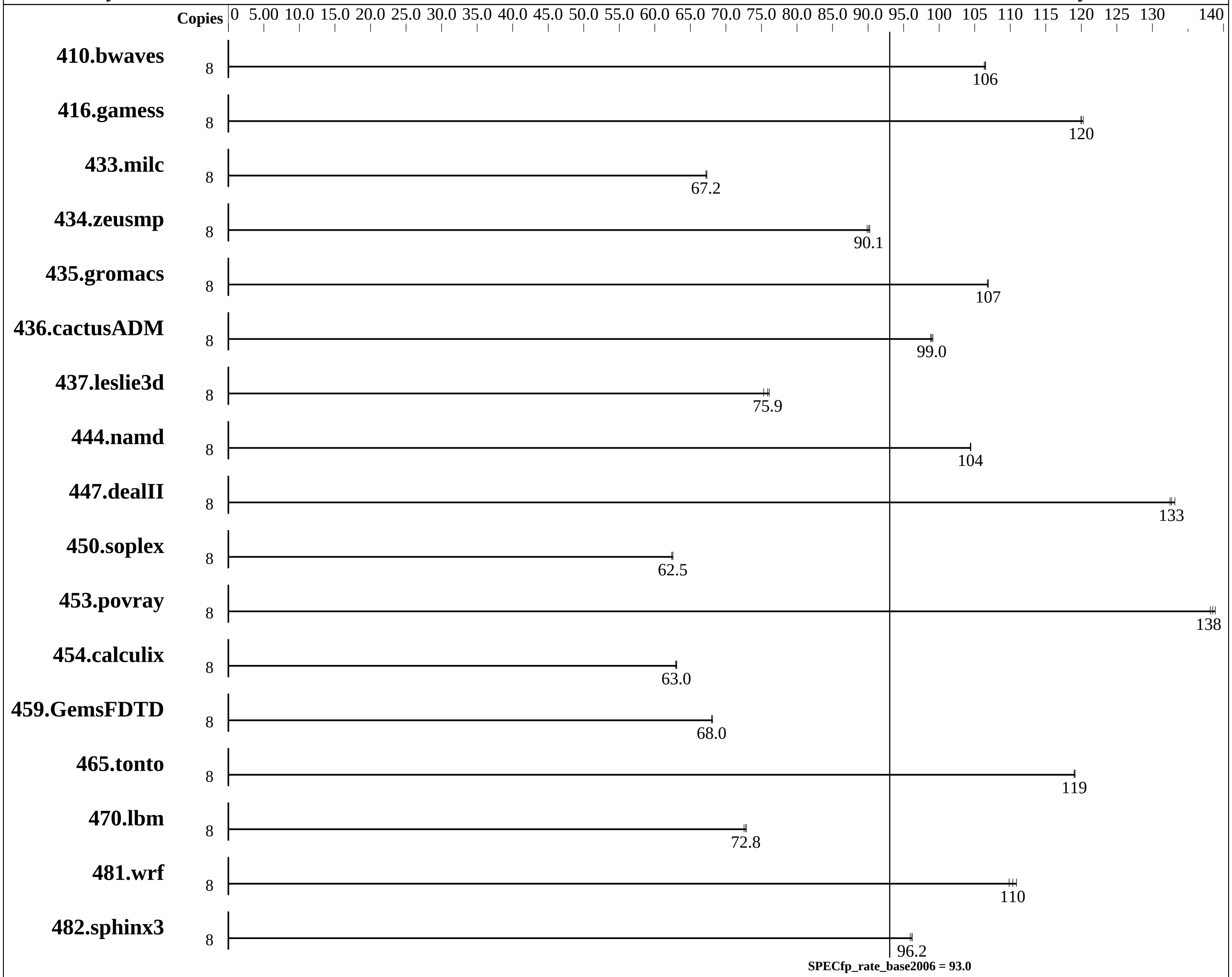
Dell Inc.

PowerEdge 6950 (AMD Opteron 8222 SE, 3.00GHz)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 93.0

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



Hardware

CPU Name:	AMD Opteron 8222 SE
CPU Characteristics:	
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	8 cores, 4 chips, 2 cores/chip
CPU(s) orderable:	2,4 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 3.0
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: 32 GB (16x2GB, DDR2-667 CL5 ECC Dual Rank)
Disk Subsystem: SAS, 73 GB
Other Hardware: None

Other Software: None

Results Table

	Base							Peak						
Benchmark	**Copies**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Copies**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**
410.bwaves	8	**1021**	**106**	1020	107	1022	106							
416.gamess	8	1306	120	**1305**	**120**	1302	120							
433.milc	8	**1093**	**67.2**	1093	67.2	1091	67.3							
434.zeusmp	8	807	90.2	810	89.9	**808**	**90.1**							
435.gromacs	8	535	107	534	107	**534**	**107**							
436.cactusADM	8	968	98.8	**966**	**99.0**	965	99.1							
437.leslie3d	8	988	76.1	998	75.3	**991**	**75.9**							
444.namd	8	614	104	615	104	**615**	**104**							
447.dealII	8	**690**	**133**	687	133	691	132							
450.soplex	8	**1067**	**62.5**	1070	62.4	1067	62.5							
453.povray	8	308	138	**307**	**138**	307	139							
454.calculix	8	1046	63.1	1049	62.9	**1047**	**63.0**							
459.GemsFDTD	8	1246	68.1	**1248**	**68.0**	1249	68.0							
465.tonto	8	**661**	**119**	661	119	662	119							
470.lbm	8	1515	72.6	1509	72.9	**1510**	**72.8**							
481.wrf	8	**810**	**110**	806	111	814	110							
482.sphinx3	8	1621	96.2	**1621**	**96.2**	1625	95.9							

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

General Notes

```
Taskset utility used to bind cores to processes
```

Base Compiler Invocation

C benchmarks:
`pathcc`

C++ benchmarks:
`pathCC`

Fortran benchmarks:
`pathf95`

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Base Compiler Invocation (Continued)

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
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 -OPT:malloc_alg=1`

Benchmarks using both Fortran and C:
`-Ofast -OPT:malloc_alg=1`

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.xml

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

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