SPEC® CFP2006 Result

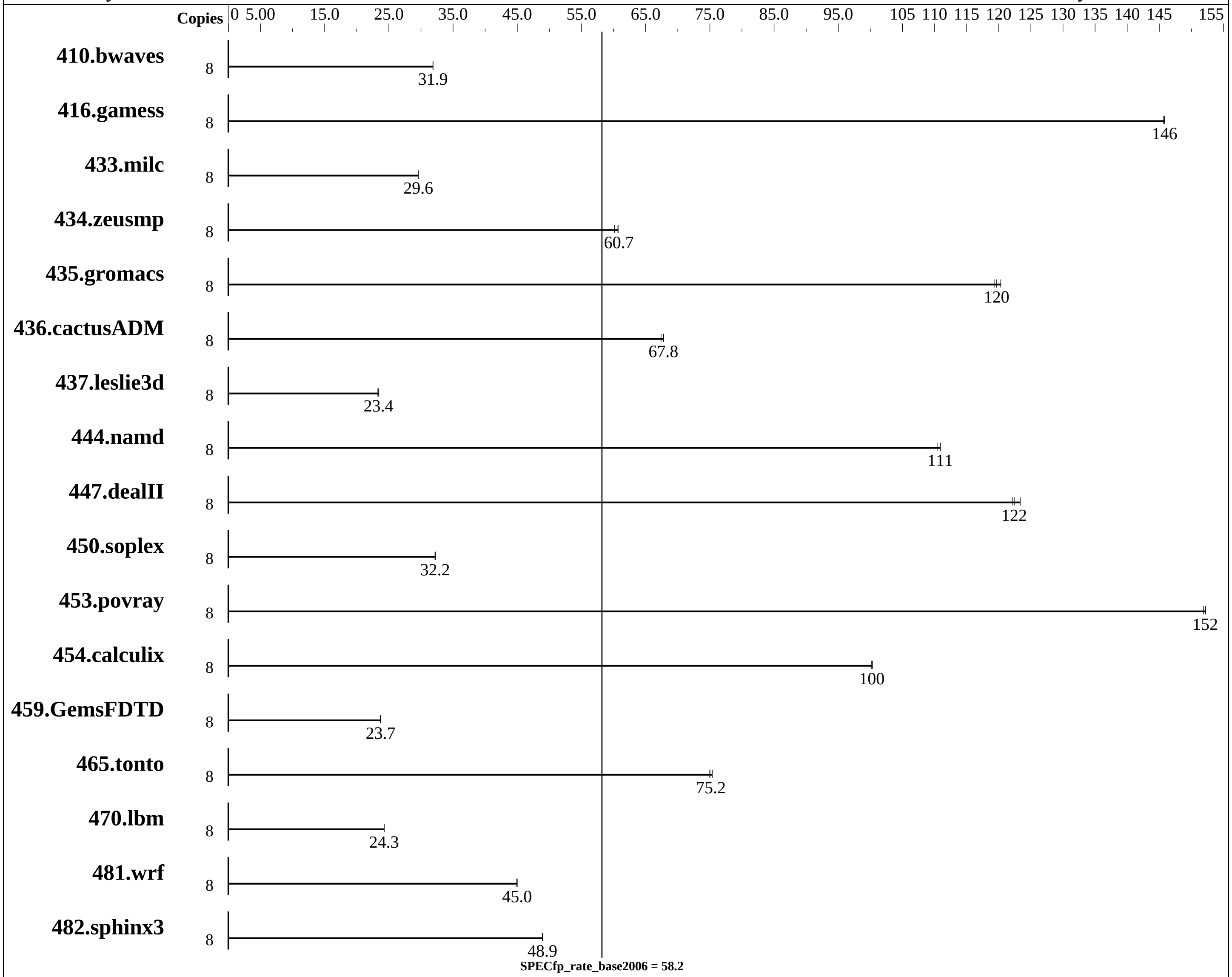
Dell Inc.

PowerEdge 2950 (Intel Xeon processor X5355, 2.66 GHz)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 58.2

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



Hardware

CPU Name:	Intel Xeon X5355
CPU Characteristics:	1333 MHz Bus Speed
CPU MHz:	2666
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:	SuSE Linux Enterprise Server 10 EM64T kernel 2.6.16.21-0.8-smp
Compiler:	Intel C++ Compiler for Intel EM64T-based applications, Version 9.1 Package ID l_cc_c_9.1.045 Build no 20061101 Intel Fortran Compiler for Intel EM64T-based applications, Version 9.1 Package ID l_fc_c_9.1.040 Build no 20061101
Auto Parallel:	No

Continued on next page

SPEC CFP2006 Result

Dell Inc.

PowerEdge 2950 (Intel Xeon processor X5355, 2.66 GHz)

SPECfp_rate2006 = Not Run

SPECfp_rate_base2006 = 58.2

CPU2006 license: 55
Test sponsor: Dell Inc.
Tested by: Dell Inc.

Test date: Mar-2007
Hardware Availability: Dec-2006
Software Availability: Nov-2006

L3 Cache: None
Other Cache: None
Memory: 16 GB (8 x 2 GB 667MHz CL5 DDR2 FB-DIMM SDRAM)
Disk Subsystem: 1 x 73 GB SAS 15K RPM
Other Hardware: None

File System: ext2
System State: Multi-user run level 3
Base Pointers: 64-bit
Peak Pointers: Not Applicable
Other Software: None

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	8	3412	31.9	3411	31.9	**3412**	**31.9**							
416.gamess	8	1075	146	**1074**	**146**	1074	146							
433.milc	8	**2481**	**29.6**	2485	29.6	2481	29.6							
434.zeusmp	8	1199	60.7	**1200**	**60.7**	1211	60.1							
435.gromacs	8	478	119	475	120	**477**	**120**							
436.cactusADM	8	1418	67.4	1410	67.8	**1411**	**67.8**							
437.leslie3d	8	3209	23.4	**3213**	**23.4**	3229	23.3							
444.namd	8	581	111	579	111	**579**	**111**							
447.dealII	8	749	122	**748**	**122**	742	123							
450.soplex	8	**2071**	**32.2**	2073	32.2	2067	32.3							
453.povray	8	280	152	**280**	**152**	280	152							
454.calculix	8	**658**	**100**	658	100	659	100							
459.GemsFDTD	8	3578	23.7	**3578**	**23.7**	3580	23.7							
465.tonto	8	1050	75.0	1044	75.4	**1047**	**75.2**							
470.lbm	8	4531	24.3	**4530**	**24.3**	4529	24.3							
481.wrf	8	**1987**	**45.0**	1989	44.9	1986	45.0							
482.sphinx3	8	3188	48.9	**3187**	**48.9**	3183	49.0							

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

Platform Notes

```
Hardware Prefetcher disabled in BIOS
Adjacent Cache Line Prefetch disabled in BIOS
"ulimit -s unlimited" set
```

Base Compiler Invocation

C benchmarks:
`icc`

C++ benchmarks:
`icpc`

Continued on next page

Base Compiler Invocation (Continued)

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.dealII: -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`

Fortran benchmarks:
`-fast`

Benchmarks using both Fortran and C:
`-fast`

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/dell-ic91-flags.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/dell-ic91-flags.xml

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 11:52:12 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 3 April 2007.