



SPEC® CFP2006 Result

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Dell Inc.

PowerEdge 2950 (Intel Xeon processor X5355, 2.66 GHz)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 58.2

CPU2006 license: 55

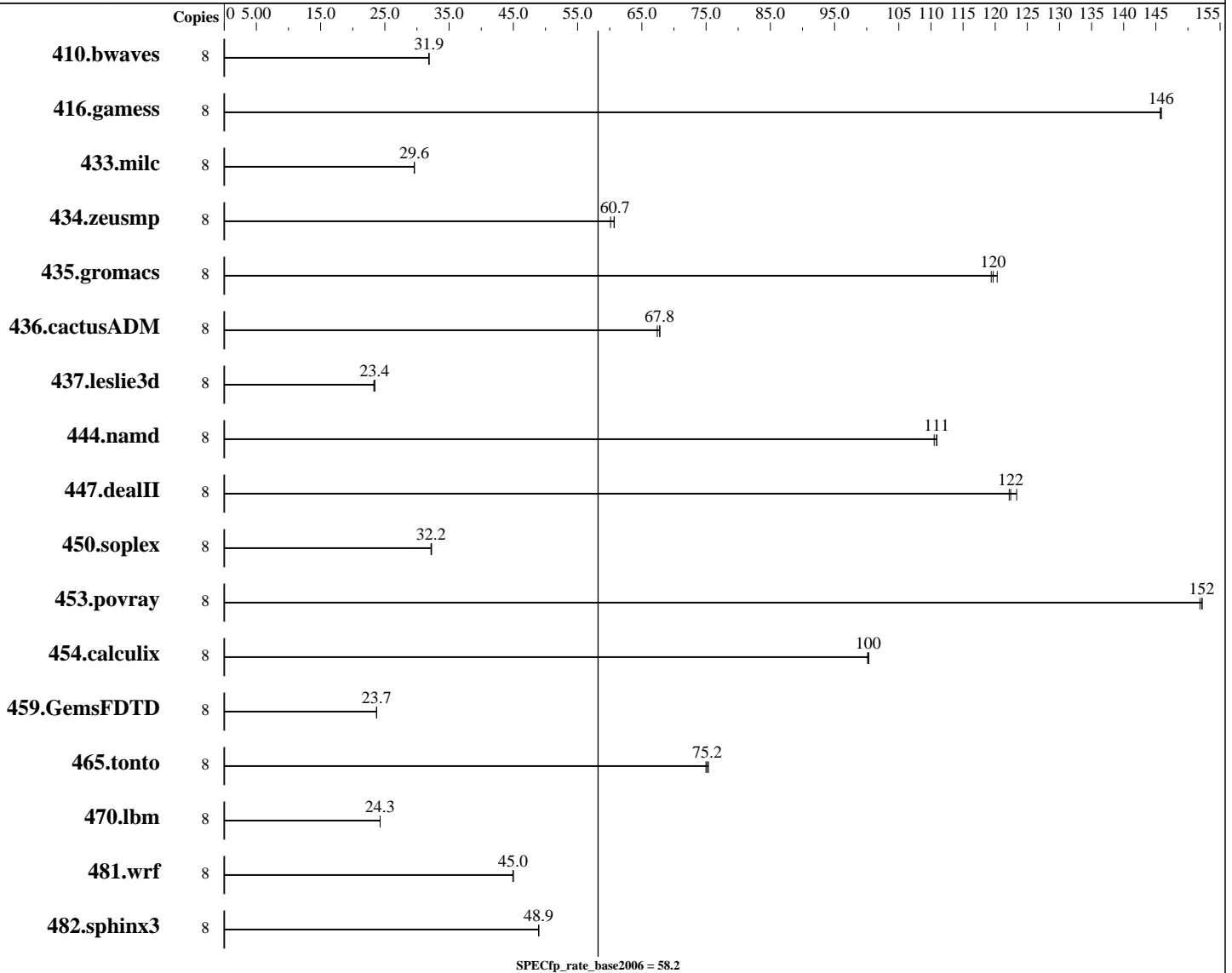
Test sponsor: Dell Inc.

Tested by: Dell Inc.

Test date: Mar-2007

Hardware Availability: Dec-2006

Software Availability: Nov-2006



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

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Software

Operating System: SuSE Linux Enterprise Server 10 EM64T kernel 2.6.16.21-0.8-smpt
 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

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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

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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>



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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.