SPEC® CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

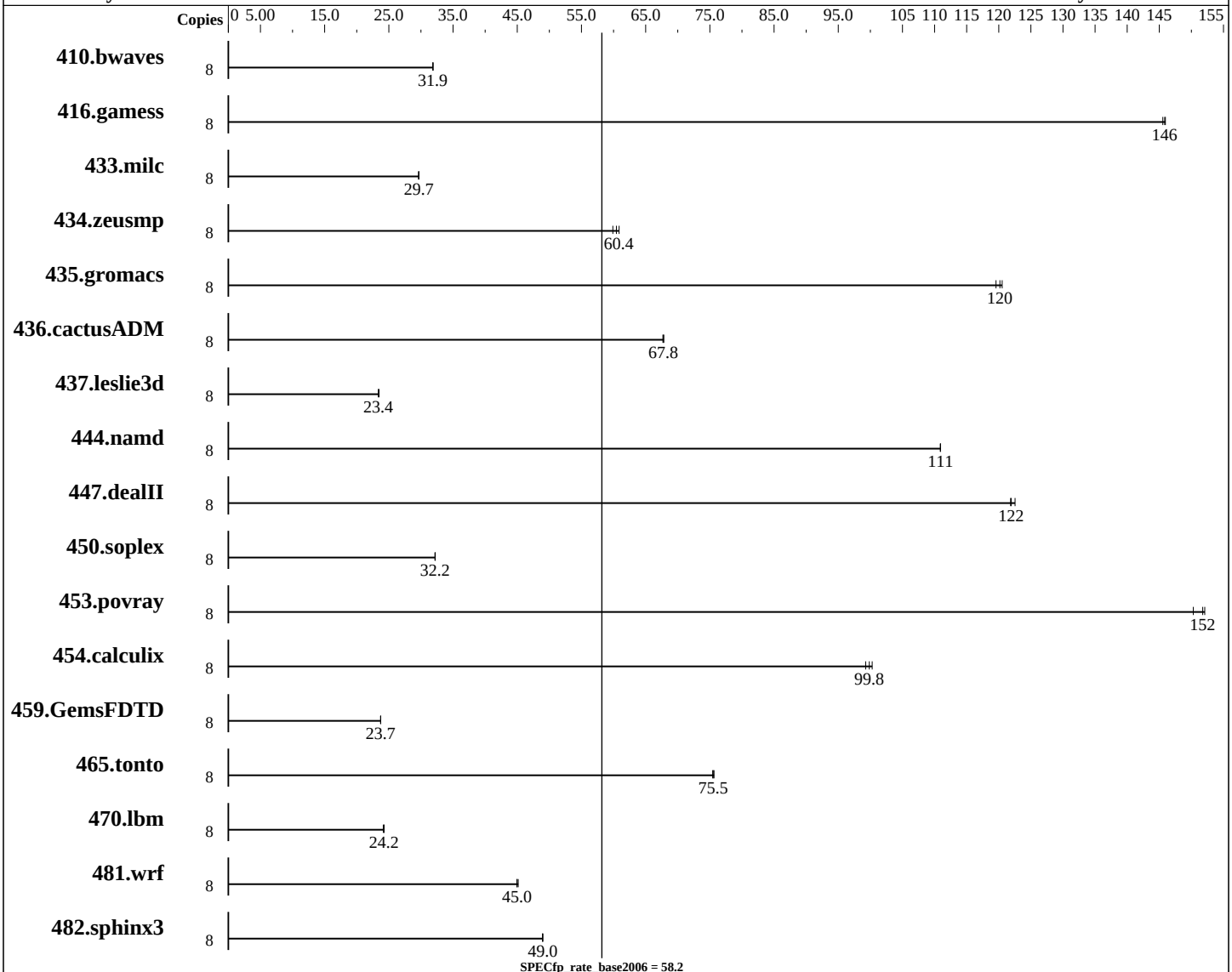
PowerEdge 2900 (Intel Xeon processor X5355, 2.66 GHz)

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

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

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge 2900 (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	File System:	ext2
Other Cache:	None	System State:	Multi-user run level 3
Memory:	16 GB (8 x 2 GB 667MHz CL5 DDR2 FB-DIMM SDRAM)	Base Pointers:	64-bit
Disk Subsystem:	1 x 73 GB SAS 15K RPM	Peak Pointers:	Not Applicable
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	8	3412	31.9	**3412**	**31.9**	3411	31.9							
416.gamess	8	**1074**	**146**	1073	146	1076	146							
433.milc	8	**2476**	**29.7**	2478	29.6	2475	29.7							
434.zeusmp	8	1216	59.9	**1204**	**60.4**	1196	60.9							
435.gromacs	8	474	121	478	120	**475**	**120**							
436.cactusADM	8	**1410**	**67.8**	1412	67.7	1410	67.8							
437.leslie3d	8	3218	23.4	**3217**	**23.4**	3203	23.5							
444.namd	8	579	111	578	111	**578**	**111**							
447.dealII	8	751	122	747	123	**750**	**122**							
450.soplex	8	2070	32.2	2073	32.2	**2071**	**32.2**							
453.povray	8	280	152	**280**	**152**	283	150							
454.calculix	8	665	99.3	658	100	**661**	**99.8**							
459.GemsFDTD	8	3578	23.7	3577	23.7	**3578**	**23.7**							
465.tonto	8	**1042**	**75.5**	1044	75.4	1041	75.6							
470.lbm	8	**4534**	**24.2**	4555	24.1	4532	24.3							
481.wrf	8	**1987**	**45.0**	1979	45.1	1989	44.9							
482.sphinx3	8	**3185**	**49.0**	3183	49.0	3186	48.9							

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

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 11:55:04 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 3 April 2007.