SPEC® CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

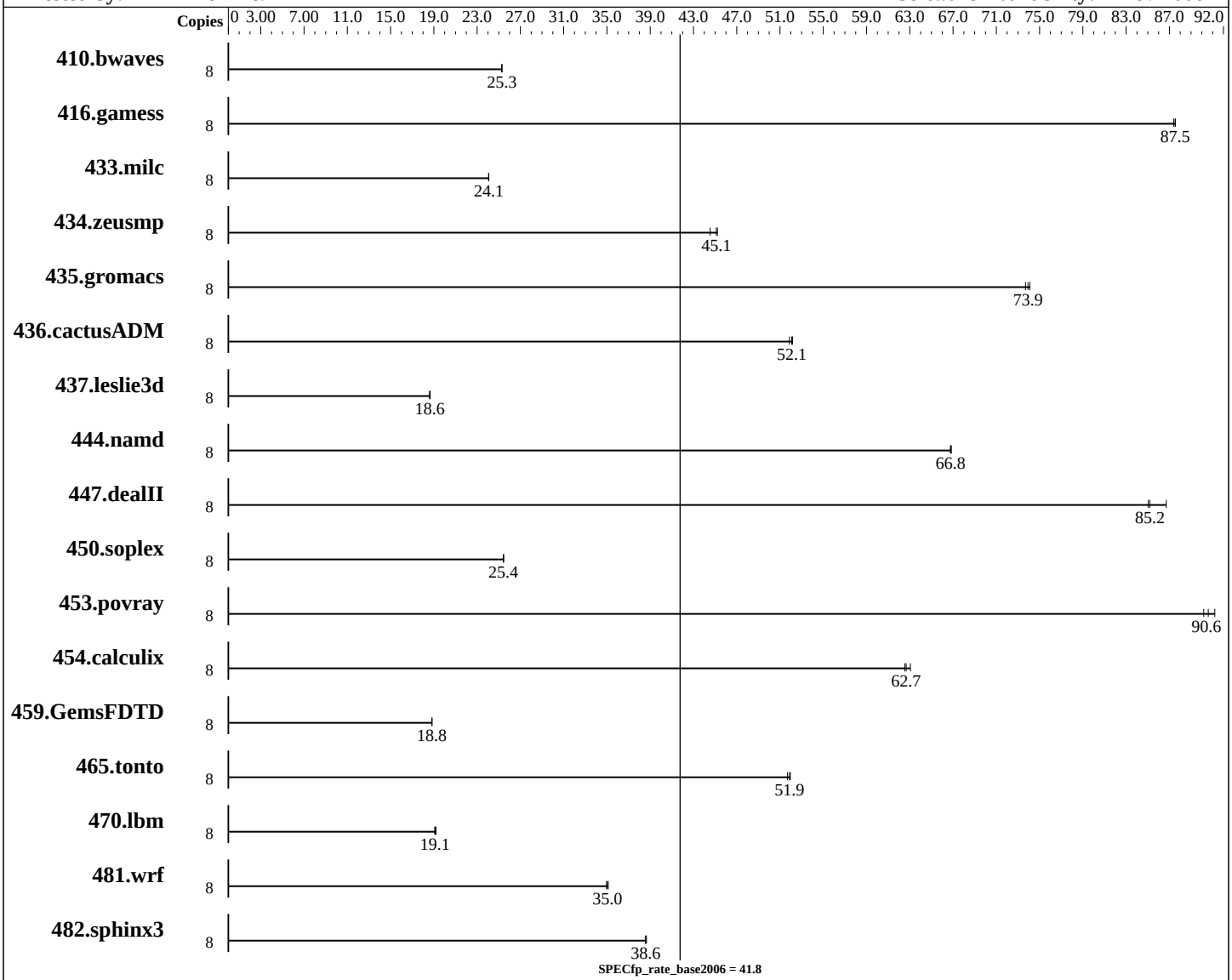
PowerEdge 2900 (Intel Xeon processor E5310, 1.60 GHz)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 41.8

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 E5310
CPU Characteristics:	1066 MHz Bus Speed
CPU MHz:	1600
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 E5310, 1.60 GHz)

SPECfp_rate2006 = Not Run

SPECfp_rate_base2006 = 41.8

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	**4299**	**25.3**	4300	25.3	4298	25.3							
416.gamess	8	**1789**	**87.5**	1789	87.5	1792	87.4							
433.milc	8	**3050**	**24.1**	3053	24.1	3049	24.1							
434.zeusmp	8	1634	44.5	1610	45.2	**1614**	**45.1**							
435.gromacs	8	775	73.7	771	74.1	**773**	**73.9**							
436.cactusADM	8	1833	52.2	**1835**	**52.1**	1843	51.9							
437.leslie3d	8	**4037**	**18.6**	4042	18.6	4031	18.7							
444.namd	8	961	66.8	**961**	**66.8**	960	66.8							
447.dealII	8	1076	85.0	**1074**	**85.2**	1055	86.7							
450.soplex	8	2624	25.4	2622	25.4	**2623**	**25.4**							
453.povray	8	467	91.2	472	90.2	**470**	**90.6**							
454.calculix	8	1047	63.1	**1053**	**62.7**	1055	62.5							
459.GemsFDTD	8	**4509**	**18.8**	4508	18.8	4511	18.8							
465.tonto	8	1523	51.7	**1518**	**51.9**	1515	52.0							
470.lbm	8	**5750**	**19.1**	5760	19.1	5729	19.2							
481.wrf	8	2545	35.1	2556	35.0	**2550**	**35.0**							
482.sphinx3	8	4045	38.5	**4041**	**38.6**	4034	38.7							

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

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge 2900 (Intel Xeon processor E5310, 1.60 GHz)

SPECfp_rate2006 = Not Run

SPECfp_rate_base2006 = 41.8

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

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

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 11:30:25 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 1 May 2007.