



SPEC[®] CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge 2900 (Intel Xeon processor 5160, 3.00GHz)

SPECfp[®]_rate2006 = Not Run

SPECfp_rate_base2006 = 43.1

CPU2006 license: 55

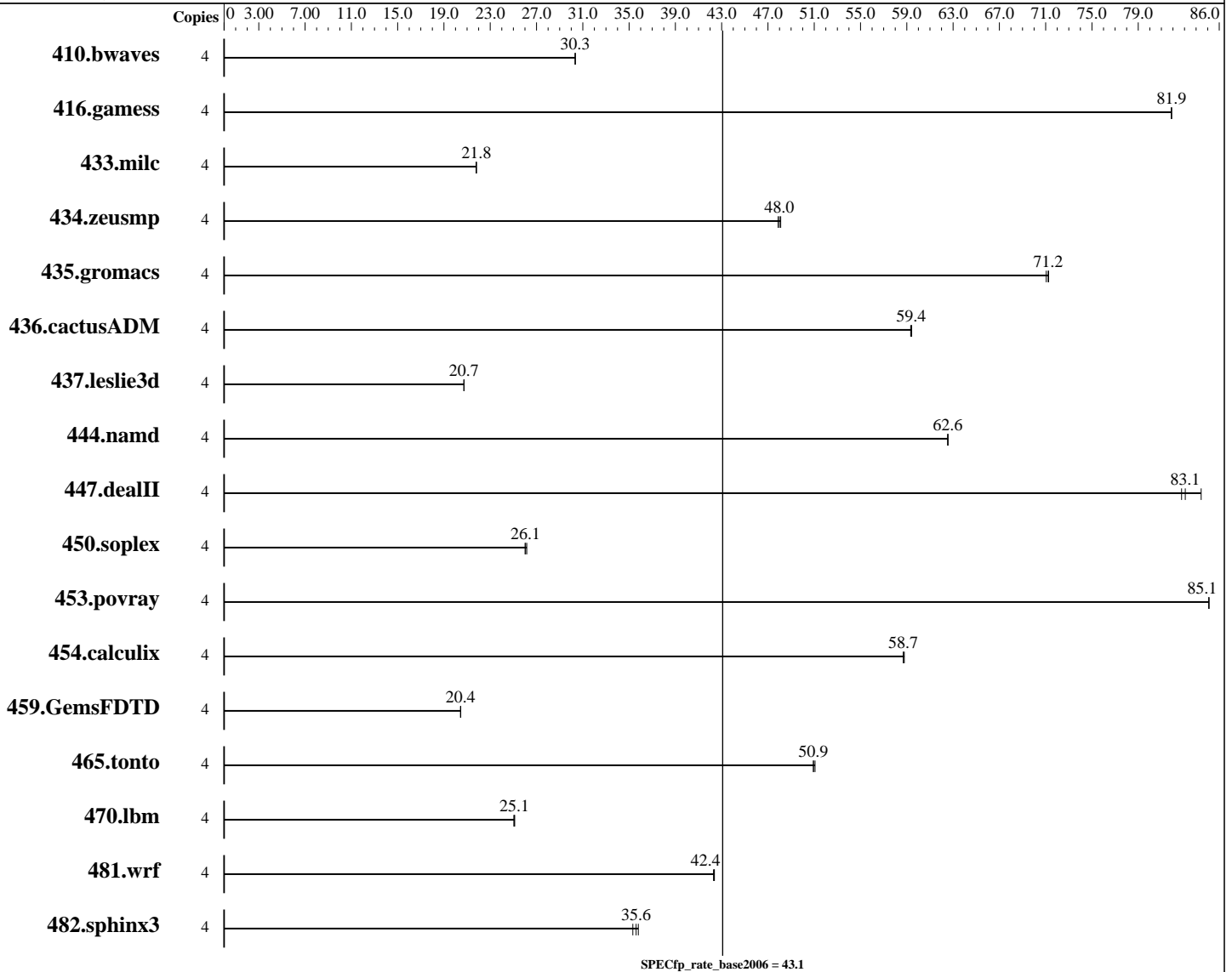
Test sponsor: Dell Inc.

Tested by: Dell Inc.

Test date: Mar-2007

Hardware Availability: Jul-2006

Software Availability: Nov-2006



Hardware

CPU Name: Intel Xeon 5160
 CPU Characteristics: 1333 MHz Bus Speed
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 4 MB I+D on chip per chip

Continued on next page

Software

Operating System: Red Hat Enterprise Linux 4 Advanced Server Update 3 EM64T kernel 2.6.9-34-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 5160, 3.00GHz)

SPECfp_rate2006 = Not Run

SPECfp_rate_base2006 = 43.1

CPU2006 license: 55

Test sponsor: Dell Inc.

Tested by: Dell Inc.

Test date: Mar-2007

Hardware Availability: Jul-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: 1x73 GB SAS 15K RPM
Other Hardware: None

File System: ext3
System State: 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	4	<u>1791</u>	<u>30.3</u>	1792	30.3	1791	30.4							
416.gamess	4	957	81.9	<u>957</u>	<u>81.9</u>	957	81.9							
433.milc	4	1684	21.8	<u>1684</u>	<u>21.8</u>	1685	21.8							
434.zeusmp	4	760	47.9	<u>758</u>	<u>48.0</u>	757	48.1							
435.gromacs	4	<u>401</u>	<u>71.2</u>	401	71.3	402	71.0							
436.cactusADM	4	806	59.3	<u>805</u>	<u>59.4</u>	804	59.4							
437.leslie3d	4	1812	20.7	<u>1813</u>	<u>20.7</u>	1815	20.7							
444.namd	4	<u>513</u>	<u>62.6</u>	513	62.5	513	62.6							
447.dealII	4	<u>551</u>	<u>83.1</u>	542	84.4	553	82.7							
450.soplex	4	1275	26.2	<u>1280</u>	<u>26.1</u>	1283	26.0							
453.povray	4	<u>250</u>	<u>85.1</u>	250	85.1	250	85.1							
454.calculix	4	561	58.8	562	58.7	<u>562</u>	<u>58.7</u>							
459.GemsFDTD	4	2078	20.4	2075	20.5	<u>2076</u>	<u>20.4</u>							
465.tonto	4	771	51.1	773	50.9	<u>773</u>	<u>50.9</u>							
470.lbm	4	2189	25.1	<u>2190</u>	<u>25.1</u>	2195	25.0							
481.wrf	4	1054	42.4	1056	42.3	<u>1055</u>	<u>42.4</u>							
482.sphinx3	4	2178	35.8	<u>2189</u>	<u>35.6</u>	2207	35.3							

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

Platform Notes

Snoop Filter enabled in BIOS
"ulimit -s unlimited" set

Base Compiler Invocation

C benchmarks:
icc

C++ benchmarks:
icpc

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge 2900 (Intel Xeon processor 5160,
3.00GHz)

SPECfp_rate2006 = Not Run

SPECfp_rate_base2006 = 43.1

CPU2006 license: 55

Test sponsor: Dell Inc.

Tested by: Dell Inc.

Test date: Mar-2007

Hardware Availability: Jul-2006

Software Availability: Nov-2006

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 CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge 2900 (Intel Xeon processor 5160, 3.00GHz)

SPECfp_rate2006 = Not Run

SPECfp_rate_base2006 = 43.1

CPU2006 license: 55

Test sponsor: Dell Inc.

Tested by: Dell Inc.

Test date: Mar-2007

Hardware Availability: Jul-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 11:53:25 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 3 April 2007.