



# SPEC<sup>®</sup> CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

## Dell Inc.

PowerEdge 2900 (Intel Xeon processor X5355, 2.66 GHz)

SPECfp<sup>®</sup>\_rate2006 = Not Run

SPECfp\_rate\_base2006 = 58.2

CPU2006 license: 55

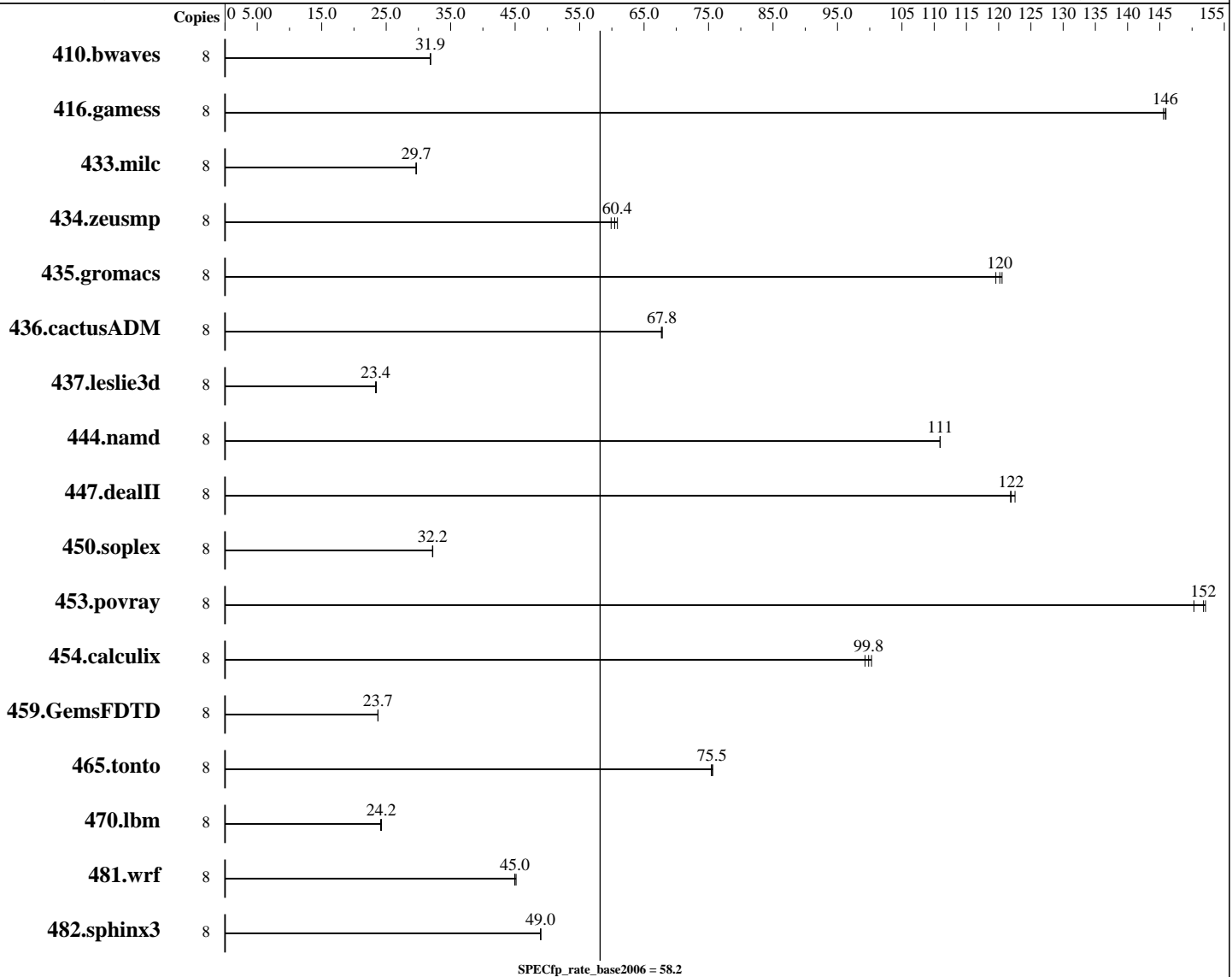
Test sponsor: Dell Inc.

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-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

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  
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	<b><u>3412</u></b>	<b><u>31.9</u></b>	3411	31.9							
416.gamess	8	<b><u>1074</u></b>	<b><u>146</u></b>	1073	146	1076	146							
433.milc	8	<b><u>2476</u></b>	<b><u>29.7</u></b>	2478	29.6	2475	29.7							
434.zeusmp	8	1216	59.9	<b><u>1204</u></b>	<b><u>60.4</u></b>	1196	60.9							
435.gromacs	8	474	121	478	120	<b><u>475</u></b>	<b><u>120</u></b>							
436.cactusADM	8	<b><u>1410</u></b>	<b><u>67.8</u></b>	1412	67.7	1410	67.8							
437.leslie3d	8	3218	23.4	<b><u>3217</u></b>	<b><u>23.4</u></b>	3203	23.5							
444.namd	8	579	111	578	111	<b><u>578</u></b>	<b><u>111</u></b>							
447.dealII	8	751	122	747	123	<b><u>750</u></b>	<b><u>122</u></b>							
450.soplex	8	2070	32.2	2073	32.2	<b><u>2071</u></b>	<b><u>32.2</u></b>							
453.povray	8	280	152	<b><u>280</u></b>	<b><u>152</u></b>	283	150							
454.calculix	8	665	99.3	658	100	<b><u>661</u></b>	<b><u>99.8</u></b>							
459.GemsFDTD	8	3578	23.7	3577	23.7	<b><u>3578</u></b>	<b><u>23.7</u></b>							
465.tonto	8	<b><u>1042</u></b>	<b><u>75.5</u></b>	1044	75.4	1041	75.6							
470.lbm	8	<b><u>4534</u></b>	<b><u>24.2</u></b>	4555	24.1	4532	24.3							
481.wrf	8	<b><u>1987</u></b>	<b><u>45.0</u></b>	1979	45.1	1989	44.9							
482.sphinx3	8	<b><u>3185</u></b>	<b><u>49.0</u></b>	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



# 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

## 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 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

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](mailto: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.