



SPEC[®] CFP2006 Result

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Dell Inc.

PowerEdge 2950 (Intel Xeon processor 5160, 3.00GHz)

SPECfp[®]_rate2006 = Not Run

SPECfp_rate_base2006 = 43.1

CPU2006 license: 55

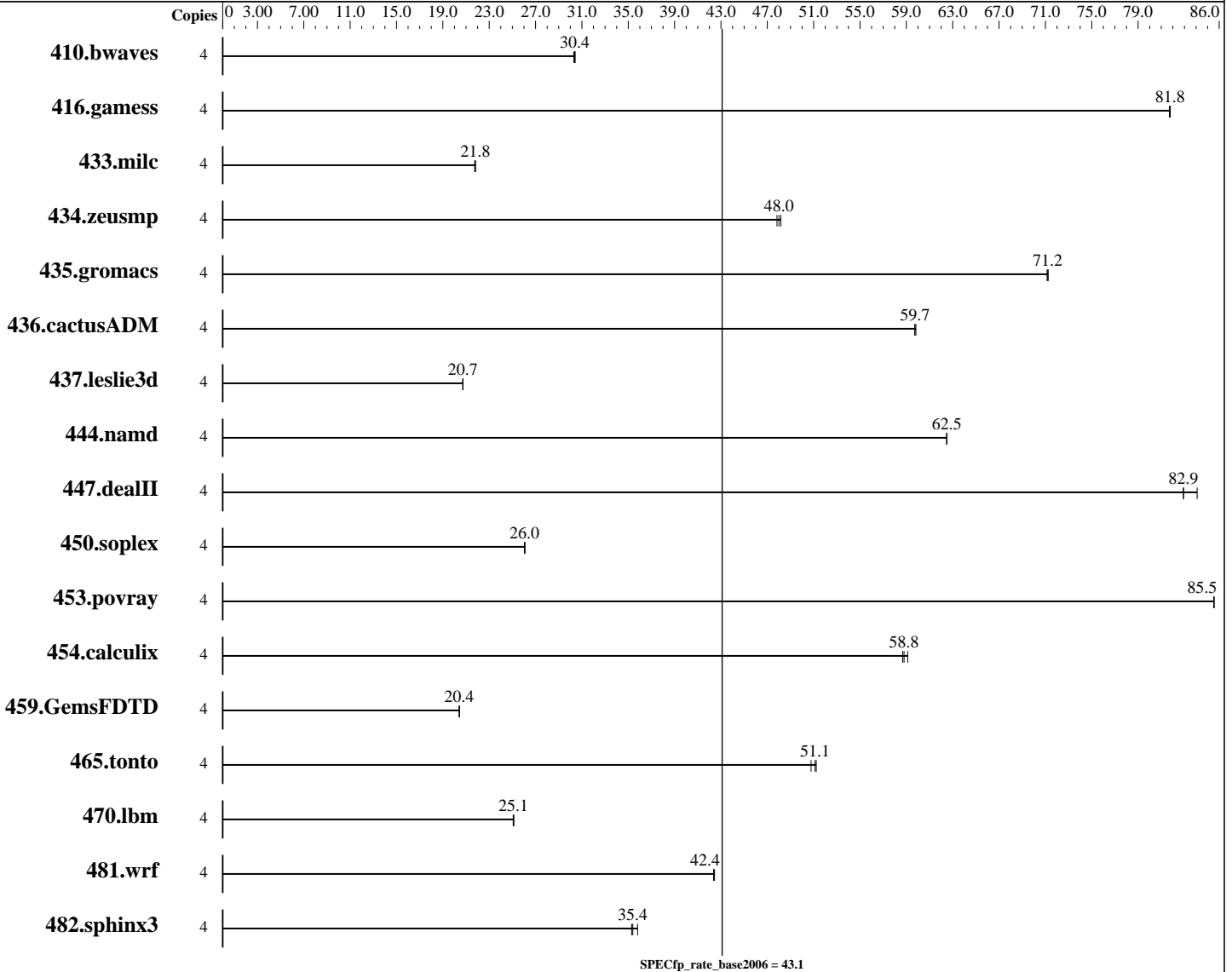
Test sponsor: Dell Inc.

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

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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

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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: 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	1787	30.4	<u>1789</u>	<u>30.4</u>	1794	30.3									
416.gamess	4	959	81.7	958	81.8	<u>958</u>	<u>81.8</u>									
433.milc	4	1688	21.7	<u>1684</u>	<u>21.8</u>	1684	21.8									
434.zeusmp	4	761	47.8	<u>758</u>	<u>48.0</u>	756	48.2									
435.gromacs	4	401	71.2	<u>401</u>	<u>71.2</u>	401	71.1									
436.cactusADM	4	<u>800</u>	<u>59.7</u>	800	59.7	799	59.8									
437.leslie3d	4	1813	20.7	<u>1814</u>	<u>20.7</u>	1815	20.7									
444.namd	4	<u>513</u>	<u>62.5</u>	513	62.5	513	62.5									
447.dealII	4	544	84.1	<u>552</u>	<u>82.9</u>	552	82.9									
450.soplex	4	1281	26.0	1279	26.1	<u>1281</u>	<u>26.0</u>									
453.povray	4	249	85.6	<u>249</u>	<u>85.5</u>	249	85.5									
454.calculix	4	558	59.1	<u>561</u>	<u>58.8</u>	562	58.7									
459.GemsFDTD	4	2079	20.4	<u>2079</u>	<u>20.4</u>	2077	20.4									
465.tonto	4	768	51.2	<u>770</u>	<u>51.1</u>	775	50.8									
470.lbm	4	<u>2190</u>	<u>25.1</u>	2187	25.1	2192	25.1									
481.wrf	4	1053	42.4	<u>1054</u>	<u>42.4</u>	1055	42.4									
482.sphinx3	4	2177	35.8	<u>2203</u>	<u>35.4</u>	2209	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

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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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For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

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