SPEC® CFP2006 Result

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Dell Inc.

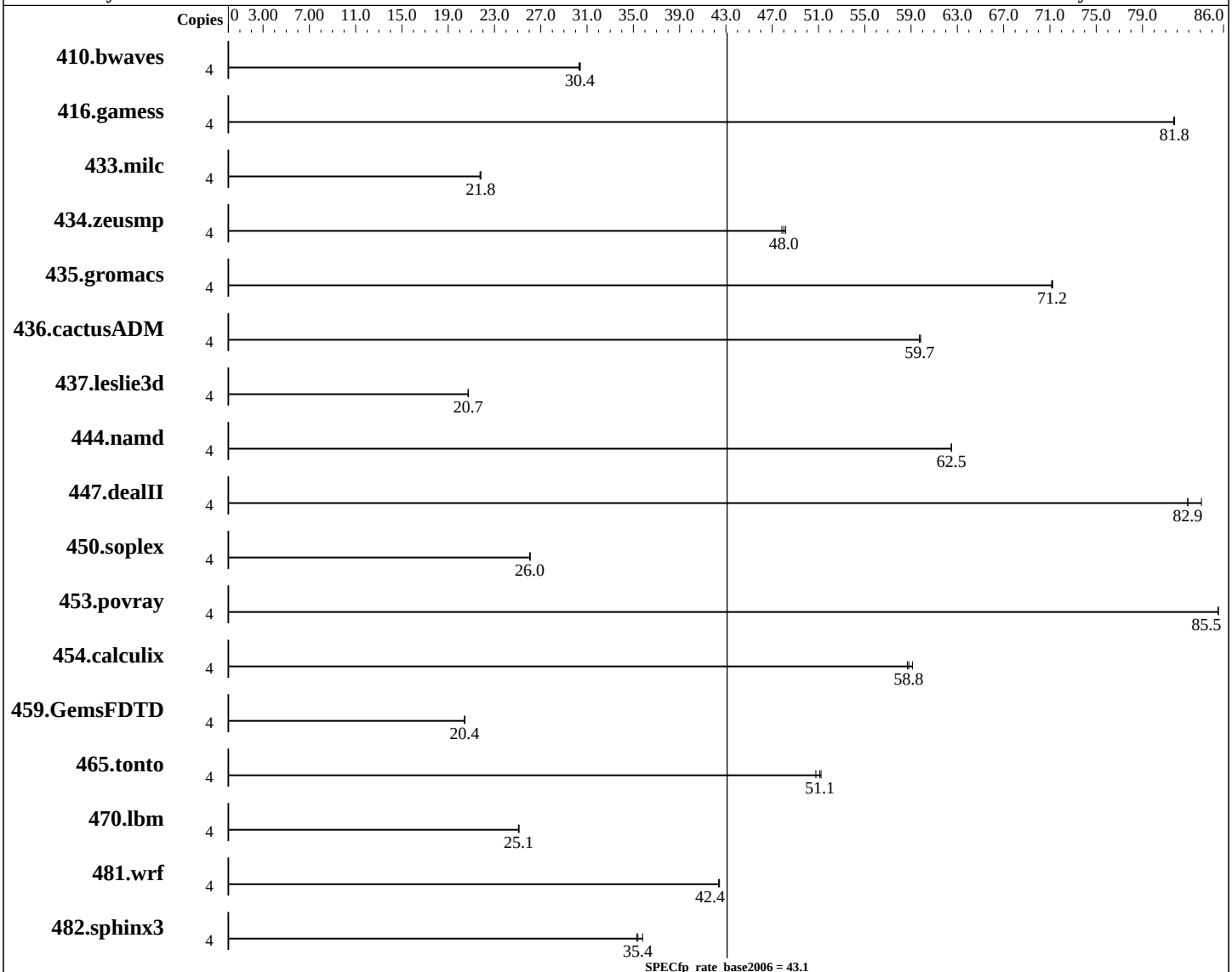
PowerEdge 2950 (Intel Xeon processor 5160, 3.00GHz)

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	File System:	ext3
Other Cache:	None	System State:	Run level 3
Memory:	16 GB (8 x 2 GB 667MHz CL5 DDR2 FB-DIMM SDRAM)	Base Pointers:	64-bit
Disk Subsystem:	1x73 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	4	1787	30.4	**1789**	**30.4**	1794	30.3							
416.gamess	4	959	81.7	958	81.8	**958**	**81.8**							
433.milc	4	1688	21.7	**1684**	**21.8**	1684	21.8							
434.zeusmp	4	761	47.8	**758**	**48.0**	756	48.2							
435.gromacs	4	401	71.2	**401**	**71.2**	401	71.1							
436.cactusADM	4	**800**	**59.7**	800	59.7	799	59.8							
437.leslie3d	4	1813	20.7	**1814**	**20.7**	1815	20.7							
444.namd	4	**513**	**62.5**	513	62.5	513	62.5							
447.dealII	4	544	84.1	**552**	**82.9**	552	82.9							
450.soplex	4	1281	26.0	1279	26.1	**1281**	**26.0**							
453.povray	4	249	85.6	**249**	**85.5**	249	85.5							
454.calculix	4	558	59.1	**561**	**58.8**	562	58.7							
459.GemsFDTD	4	2079	20.4	**2079**	**20.4**	2077	20.4							
465.tonto	4	768	51.2	**770**	**51.1**	775	50.8							
470.lbm	4	**2190**	**25.1**	2187	25.1	2192	25.1							
481.wrf	4	1053	42.4	**1054**	**42.4**	1055	42.4							
482.sphinx3	4	2177	35.8	**2203**	**35.4**	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

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

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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 11:54:54 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 3 April 2007.