SPEC® CFP2006 Result

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Dell Inc.

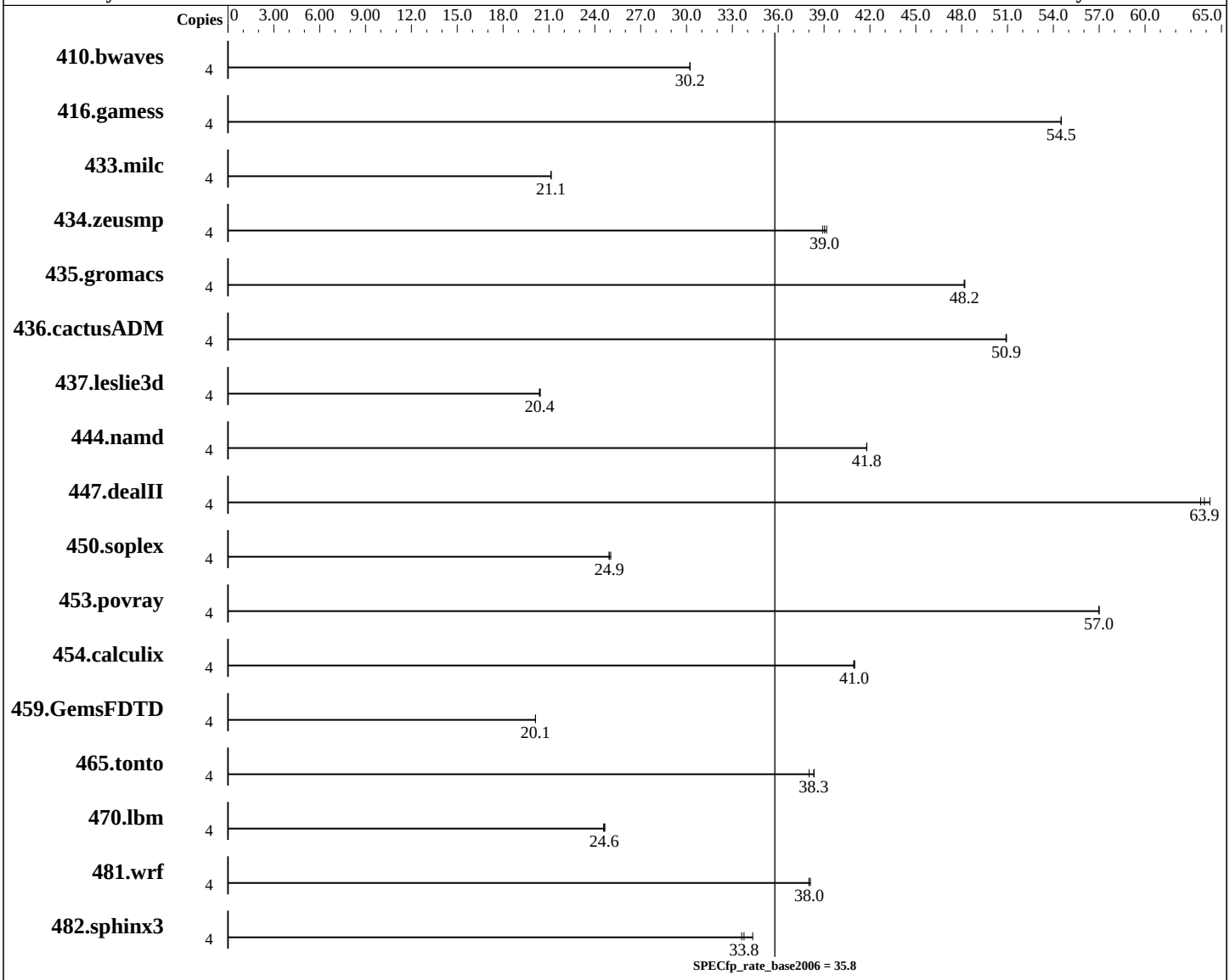
PowerEdge 2950 (Intel Xeon processor 5130, 2.00GHz)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 35.8

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 5130
CPU Characteristics:	1333 MHz Bus Speed
CPU MHz:	2000
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:	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	4	**1798**	**30.2**	1799	30.2	1798	30.2							
416.gamess	4	1437	54.5	**1437**	**54.5**	1437	54.5							
433.milc	4	1737	21.1	1738	21.1	**1737**	**21.1**							
434.zeusmp	4	936	38.9	**933**	**39.0**	929	39.2							
435.gromacs	4	592	48.2	593	48.2	**593**	**48.2**							
436.cactusADM	4	938	50.9	939	50.9	**939**	**50.9**							
437.leslie3d	4	1840	20.4	1846	20.4	**1843**	**20.4**							
444.namd	4	768	41.8	**768**	**41.8**	768	41.8							
447.dealII	4	712	64.2	719	63.6	**716**	**63.9**							
450.soplex	4	1332	25.0	1338	24.9	**1337**	**24.9**							
453.povray	4	373	57.0	**373**	**57.0**	373	57.0							
454.calculix	4	805	41.0	**805**	**41.0**	806	40.9							
459.GemsFDTD	4	2110	20.1	**2109**	**20.1**	2109	20.1							
465.tonto	4	1027	38.3	**1027**	**38.3**	1035	38.0							
470.lbm	4	**2232**	**24.6**	2236	24.6	2229	24.7							
481.wrf	4	1175	38.0	1172	38.1	**1175**	**38.0**							
482.sphinx3	4	2320	33.6	**2309**	**33.8**	2271	34.3							

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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