SPEC® CFP2006 Result

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Dell Inc.

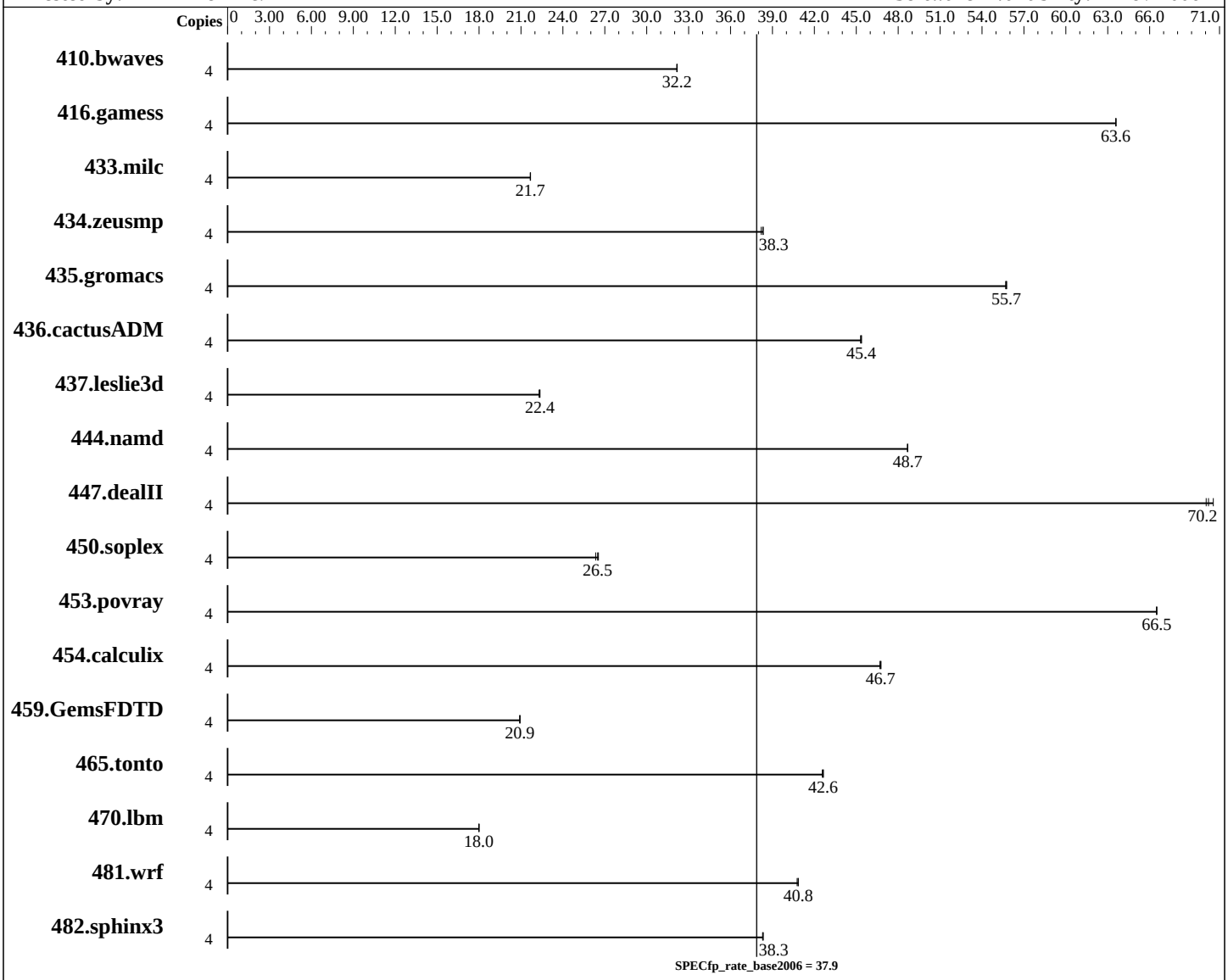
PowerEdge 2950 (Intel Xeon processor 5140, 2.33GHz)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 37.9

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 5140
CPU Characteristics:	1333 MHz Bus Speed
CPU MHz:	2333
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	1689	32.2	**1690**	**32.2**	1691	32.2							
416.gamess	4	**1232**	**63.6**	1232	63.6	1232	63.6							
433.milc	4	**1695**	**21.7**	1693	21.7	1695	21.7							
434.zeusmp	4	**950**	**38.3**	953	38.2	949	38.3							
435.gromacs	4	512	55.8	**512**	**55.7**	513	55.7							
436.cactusADM	4	1055	45.3	**1054**	**45.4**	1054	45.4							
437.leslie3d	4	1682	22.4	1687	22.3	**1682**	**22.4**							
444.namd	4	**659**	**48.7**	659	48.7	659	48.7							
447.dealII	4	649	70.6	**652**	**70.2**	653	70.0							
450.soplex	4	1266	26.3	1257	26.5	**1260**	**26.5**							
453.povray	4	**320**	**66.5**	320	66.5	320	66.5							
454.calculix	4	706	46.8	**706**	**46.7**	707	46.7							
459.GemsFDTD	4	2029	20.9	**2029**	**20.9**	2028	20.9							
465.tonto	4	**923**	**42.6**	925	42.6	923	42.6							
470.lbm	4	3054	18.0	**3055**	**18.0**	3055	18.0							
481.wrf	4	**1094**	**40.8**	1096	40.8	1094	40.8							
482.sphinx3	4	2033	38.3	2036	38.3	**2034**	**38.3**							

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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