SPEC® CFP2006 Result

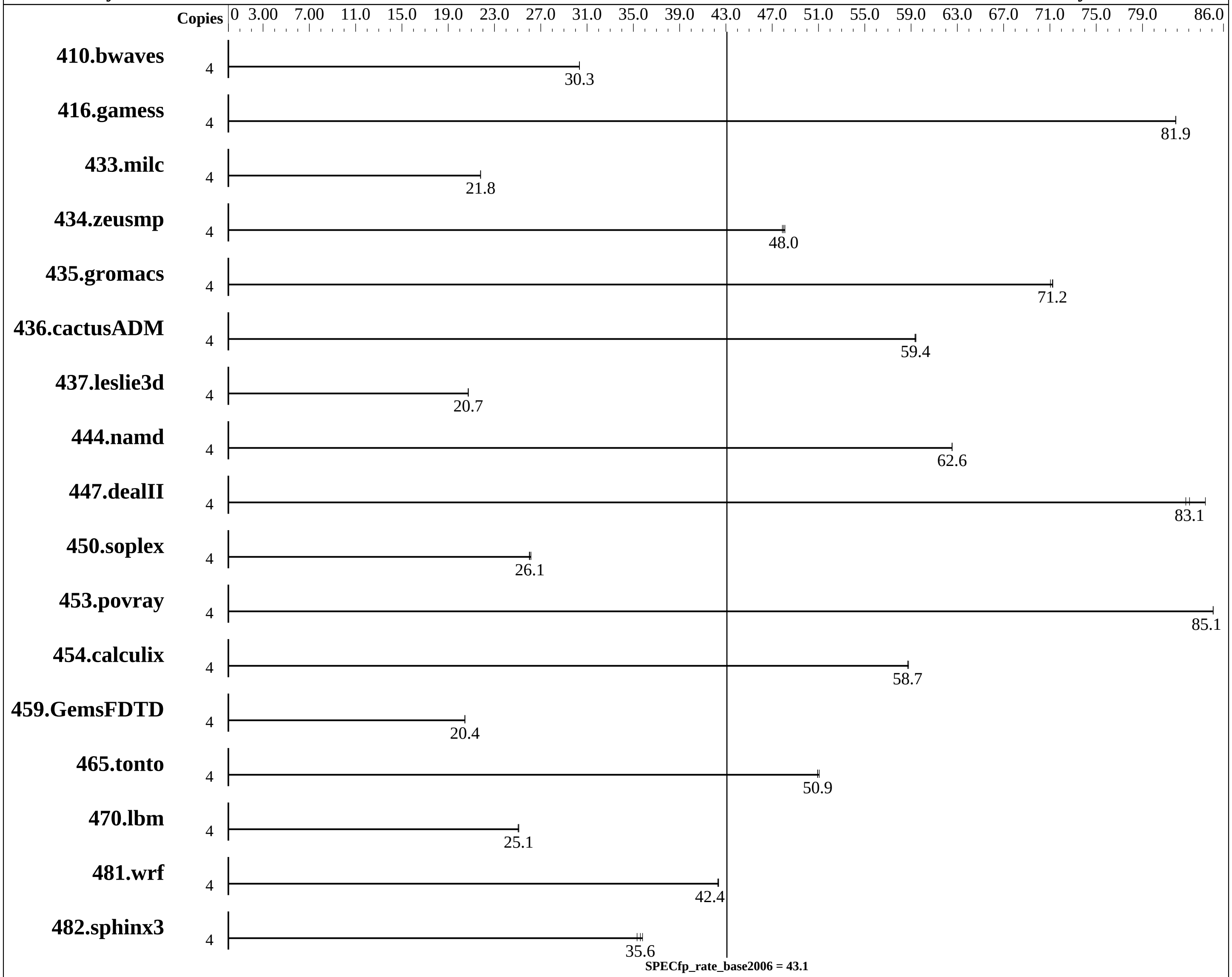
Dell Inc.

PowerEdge 2900 (Intel Xeon processor 5160, 3.00GHz)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 43.1

CPU2006 license:	55	**Test date:**	Mar-2007
Test sponsor:	Dell Inc.	**Hardware Availability:**	Jul-2006
Tested by:	Dell Inc.	**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

	Base							Peak						
Benchmark	**Copies**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Copies**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**
410.bwaves	4	**1791**	**30.3**	1792	30.3	1791	30.4							
416.gamess	4	957	81.9	**957**	**81.9**	957	81.9							
433.milc	4	1684	21.8	**1684**	**21.8**	1685	21.8							
434.zeusmp	4	760	47.9	**758**	**48.0**	757	48.1							
435.gromacs	4	**401**	**71.2**	401	71.3	402	71.0							
436.cactusADM	4	806	59.3	**805**	**59.4**	804	59.4							
437.leslie3d	4	1812	20.7	**1813**	**20.7**	1815	20.7							
444.namd	4	**513**	**62.6**	513	62.5	513	62.6							
447.dealII	4	**551**	**83.1**	542	84.4	553	82.7							
450.soplex	4	1275	26.2	**1280**	**26.1**	1283	26.0							
453.povray	4	**250**	**85.1**	250	85.1	250	85.1							
454.calculix	4	561	58.8	562	58.7	**562**	**58.7**							
459.GemsFDTD	4	2078	20.4	2075	20.5	**2076**	**20.4**							
465.tonto	4	771	51.1	773	50.9	**773**	**50.9**							
470.lbm	4	2189	25.1	**2190**	**25.1**	2195	25.0							
481.wrf	4	1054	42.4	1056	42.3	**1055**	**42.4**							
482.sphinx3	4	2178	35.8	**2189**	**35.6**	2207	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

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

Tested with SPEC CPU2006 v1.0.
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