



SPEC[®] CFP2006 Result

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Dell Inc.

PowerEdge 2950 (Intel Xeon processor 5110, 1.60GHz)

SPECfp[®]_rate2006 = Not Run

SPECfp_rate_base2006 = 30.5

CPU2006 license: 55

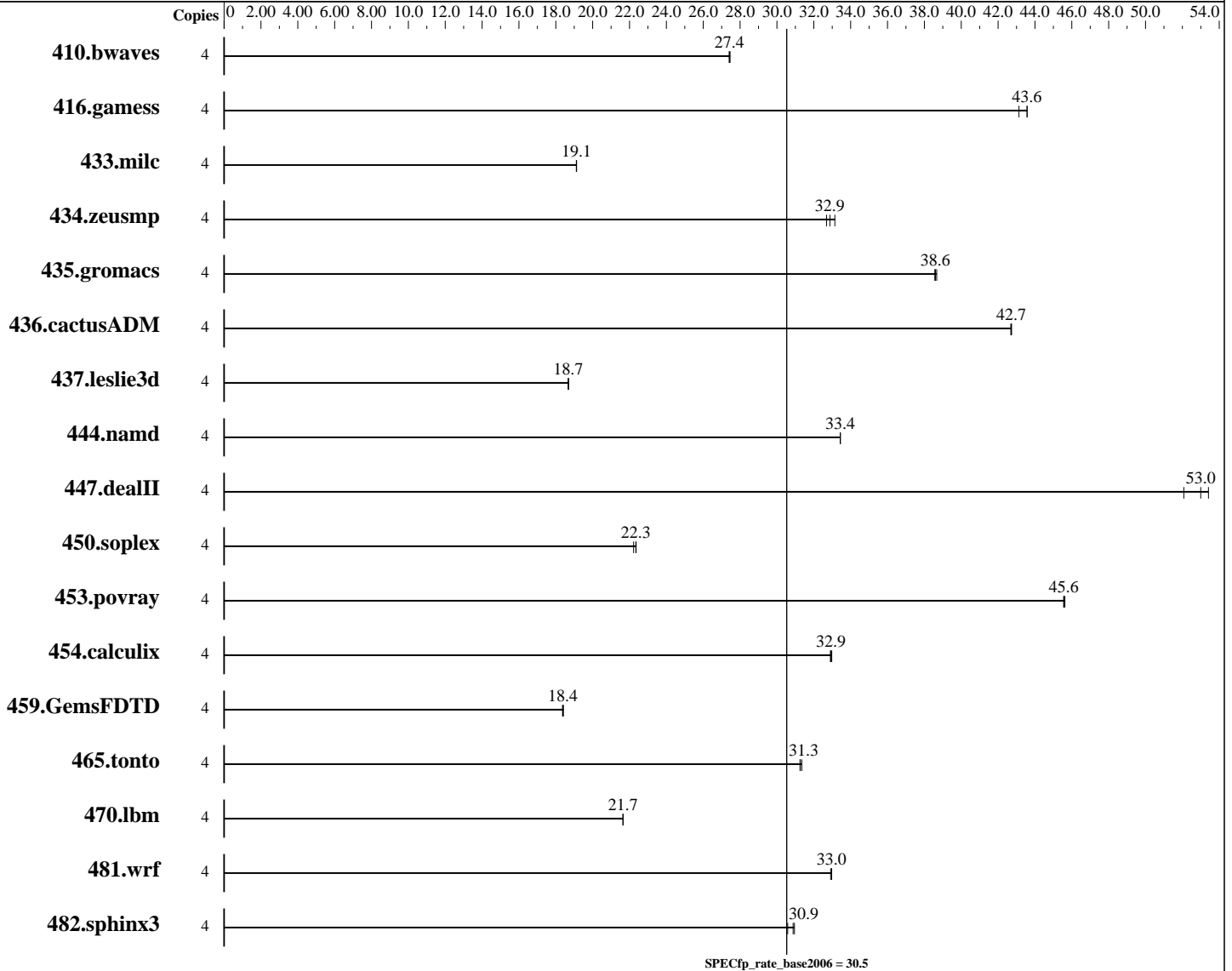
Test sponsor: Dell Inc.

Tested by: Dell Inc.

Test date: Mar-2007

Hardware Availability: Jul-2006

Software Availability: Nov-2006



Hardware

CPU Name: Intel Xeon 5110
 CPU Characteristics: 1066 MHz Bus Speed
 CPU MHz: 1600
 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: 1 x 73 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	1983	27.4	1980	27.5	1983	27.4									
416.gamess	4	1816	43.1	1798	43.6	1797	43.6									
433.milc	4	1920	19.1	1920	19.1	1921	19.1									
434.zeusmp	4	1113	32.7	1107	32.9	1098	33.1									
435.gromacs	4	739	38.7	741	38.6	740	38.6									
436.cactusADM	4	1119	42.7	1119	42.7	1120	42.7									
437.leslie3d	4	2011	18.7	2013	18.7	2013	18.7									
444.namd	4	959	33.4	960	33.4	959	33.4									
447.dealII	4	863	53.0	857	53.4	879	52.1									
450.soplex	4	1493	22.3	1492	22.4	1501	22.2									
453.povray	4	467	45.6	467	45.6	466	45.6									
454.calculix	4	1002	32.9	1001	33.0	1003	32.9									
459.GemsFDTD	4	2311	18.4	2309	18.4	2305	18.4									
465.tonto	4	1259	31.3	1256	31.3	1259	31.3									
470.lbm	4	2539	21.7	2539	21.6	2539	21.7									
481.wrf	4	1357	32.9	1355	33.0	1355	33.0									
482.sphinx3	4	2549	30.6	2519	31.0	2525	30.9									

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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