



SPEC® CFP2006 Result

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Itaotec

SPECfp®_rate2006 = Not Run

Servidor Itaotec LX211 (Intel Xeon E5410)

SPECfp_rate_base2006 = 34.9

CPU2006 license: 9001

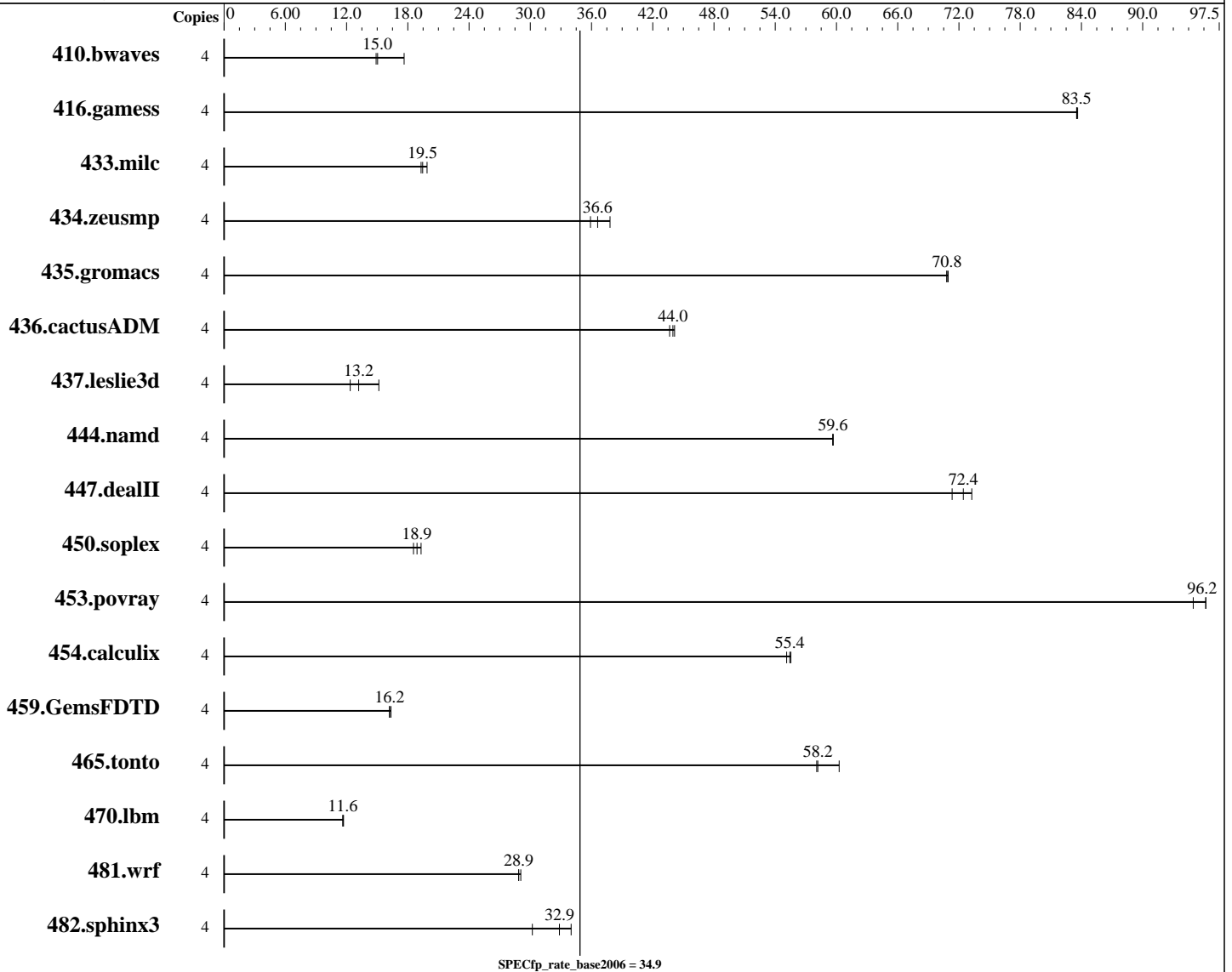
Test sponsor: Itaotec

Tested by: Itaotec

Test date: Mar-2008

Hardware Availability: Dec-2007

Software Availability: Nov-2007



Hardware

CPU Name: Intel Xeon E5410
 CPU Characteristics:
 CPU MHz: 2330
 FPU: Integrated
 CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip
 CPU(s) orderable: 1 chip
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 12 MB I+D on chip per chip, 6 MB shared / 2 cores

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Software

Operating System: SUSE Linux Enterprise Server 10 (x86_64) SP1, Kernel 2.6.16.46-0.12-smp
 Compiler: Intel C++ and Fortran Compiler 10.1 for Linux Build 20070913 Package ID: l_cc_p_10.1.008, l_fc_p_10.1.008
 Auto Parallel: No
 File System: ReiserFS
 System State: Run level 3 (multi-user)
 Base Pointers: 64-bit

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L3 Cache: None
Other Cache: None
Memory: 12 GB (6 * 2 GB PC2-5300 FBDIMM, CL-5-5-5, ECC)
Disk Subsystem: 1 x SCSI, 73GB, 10000 RPM
Other Hardware: None

Peak Pointers: Not Applicable
Other Software: Binutils 2.17.10.50

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	4	3082	17.6	3614	15.0	3650	14.9							
416.gamess	4	938	83.5	938	83.5	937	83.6							
433.milc	4	1846	19.9	1902	19.3	1887	19.5							
434.zeusmp	4	963	37.8	1014	35.9	995	36.6							
435.gromacs	4	403	70.9	403	70.8	403	70.8							
436.cactusADM	4	1095	43.7	1083	44.1	1087	44.0							
437.leslie3d	4	2480	15.2	3043	12.4	2851	13.2							
444.namd	4	538	59.6	538	59.7	538	59.6							
447.dealII	4	625	73.3	632	72.4	641	71.3							
450.soplex	4	1728	19.3	1798	18.6	1765	18.9							
453.povray	4	221	96.2	221	96.2	224	95.0							
454.calculix	4	599	55.1	595	55.4	594	55.5							
459.GemsFDTD	4	2596	16.4	2620	16.2	2617	16.2							
465.tonto	4	653	60.3	678	58.1	677	58.2							
470.lbm	4	4723	11.6	4722	11.6	4696	11.7							
481.wrf	4	1548	28.9	1537	29.1	1548	28.9							
482.sphinx3	4	2581	30.2	2373	32.9	2293	34.0							

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

Operating System Notes

'ulimit -s unlimited' was used to set the stacksize to unlimited prior to run.
'/usr/bin/taskset' used to bind benchmark copies to processors.

Platform Notes

BIOS configuration:
Hardware Prefetch Disabled

Base Compiler Invocation

C benchmarks:
icc

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Test sponsor: Itautec

Hardware Availability: Dec-2007

Tested by: Itautec

Software Availability: Nov-2007

Base Compiler Invocation (Continued)

C++ benchmarks:
icpc

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



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The flags file that was used to format this result can be browsed at

<http://www.spec.org/cpu2006/flags/Itautec-ic10.1-FP-intel64-linux-flags.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/Itautec-ic10.1-FP-intel64-linux-flags.xml>

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For other inquiries, please contact webmaster@spec.org.

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