



SPEC[®] CFP2006 Result

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Itautec

SPECfp[®]_rate2006 = Not Run

Servidor Itautec MX201 (Intel Xeon E5405)

SPECfp_rate_base2006 = 59.0

CPU2006 license: 9001

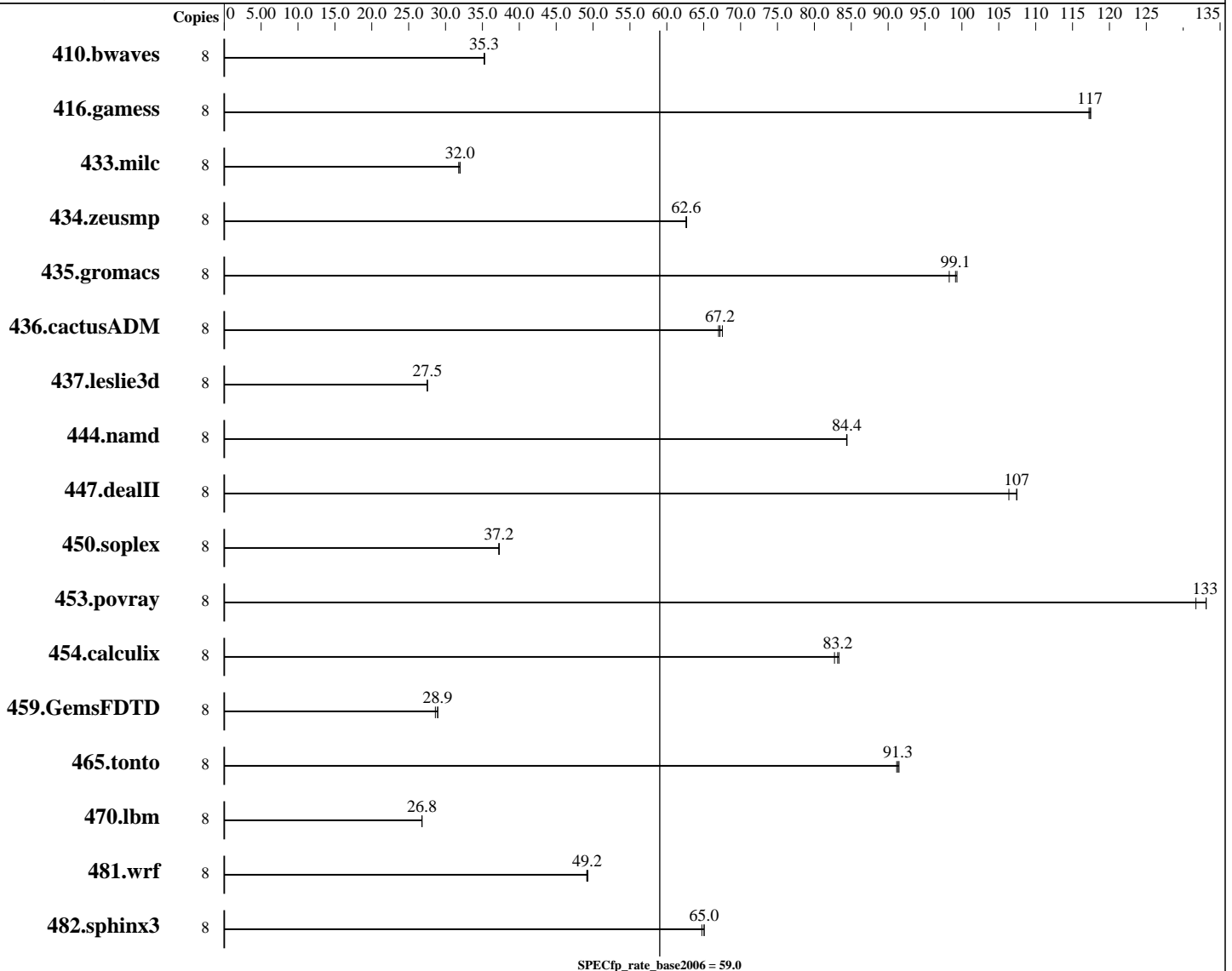
Test sponsor: Itautec

Tested by: Itautec

Test date: Feb-2008

Hardware Availability: Dec-2007

Software Availability: Jan-2008



Hardware

CPU Name: Intel Xeon E5405
 CPU Characteristics:
 CPU MHz: 2000
 FPU: Integrated
 CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
 CPU(s) orderable: 1, 2 chips
 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++ Compiler for Linux64 version 10.1 Build 20080112 Package ID: l_fc_p_10.1.012 Intel Fortran Compiler for Linux64 version 10.1 Build 20080112 Package ID: l_cc_p_10.1.012
 Auto Parallel: No
 File System: ReiserFS

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L3 Cache: None
Other Cache: None
Memory: 16 GB (8 * 2 GB DDR2 5300F, 2 rank, CL5 ECC)
Disk Subsystem: 1 x SCSI, 73GB, 15000RPM
Other Hardware: None

System State: Multi-User, Run Level 3
Base Pointers: 64-bit
Peak Pointers: Not Applicable
Other Software: Binutils 2.17.10.50
MicroQuill SmartHeap 8.1

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	8	3086	35.2	3080	35.3	3084	35.3							
416.gamess	8	1333	117	1336	117	1335	117							
433.milc	8	2298	32.0	2298	32.0	2311	31.8							
434.zeusmp	8	1163	62.6	1161	62.7	1163	62.6							
435.gromacs	8	576	99.1	581	98.3	575	99.3							
436.cactusADM	8	1416	67.5	1427	67.0	1423	67.2							
437.leslie3d	8	2732	27.5	2731	27.5	2731	27.5							
444.namd	8	760	84.4	760	84.4	760	84.4							
447.dealII	8	860	106	852	107	852	107							
450.soplex	8	1790	37.3	1792	37.2	1792	37.2							
453.povray	8	320	133	323	132	320	133							
454.calculix	8	792	83.3	798	82.7	794	83.2							
459.GemsFDTD	8	2935	28.9	2966	28.6	2933	28.9							
465.tonto	8	862	91.3	861	91.5	864	91.2							
470.lbm	8	4102	26.8	4100	26.8	4100	26.8							
481.wrf	8	1813	49.3	1816	49.2	1818	49.1							
482.sphinx3	8	2397	65.1	2397	65.0	2408	64.7							

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 stack size to unlimited prior to run.
'/usr/bin/taskset' used to bind benchmark copies to processors.

Platform Notes

BIOS configuration:
Hardware Prefetcher Disabled (default Enabled)

General Notes

This result was measured on the Servidor Itautec MX201.
The Servidor Itautec MX201 and the Servidor Itautec MX221 are electronically equivalent.



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Tested by: Itaotec

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Base Compiler Invocation

C benchmarks:
icc

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

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