



# SPEC® CFP2006 Result

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## Itaotec

## SPECfp®\_rate2006 = Not Run

### Servidor Itaotec MX221 (Intel Xeon E5405)

## SPECfp\_rate\_base2006 = 59.0

CPU2006 license: 9001

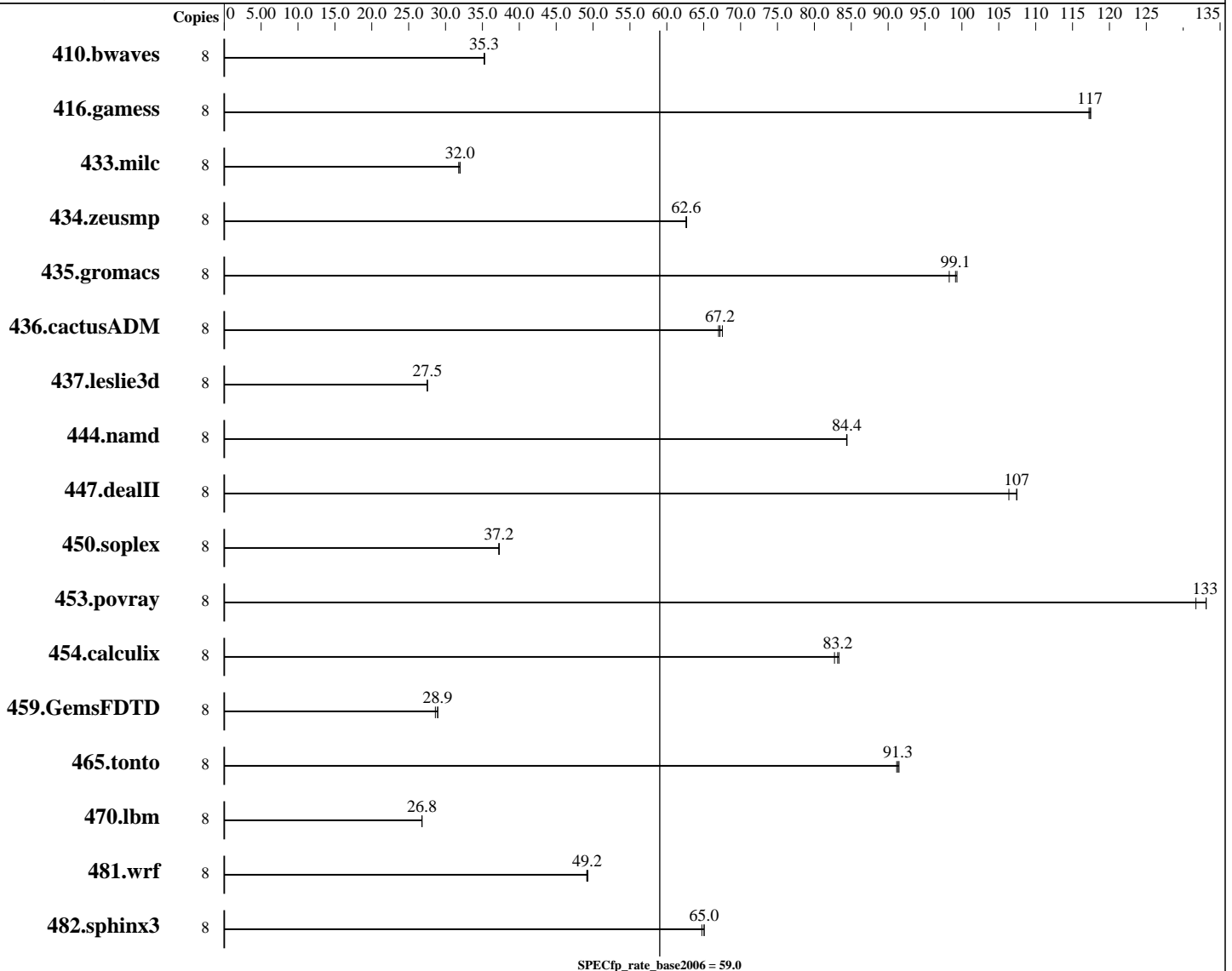
Test sponsor: Itaotec

Tested by: Itaotec

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	<b>3084</b>	<b>35.3</b>							
416.gamess	8	1333	117	1336	117	<b>1335</b>	<b>117</b>							
433.milc	8	2298	32.0	<b>2298</b>	<b>32.0</b>	2311	31.8							
434.zeusmp	8	<b>1163</b>	<b>62.6</b>	1161	62.7	1163	62.6							
435.gromacs	8	<b>576</b>	<b>99.1</b>	581	98.3	575	99.3							
436.cactusADM	8	1416	67.5	1427	67.0	<b>1423</b>	<b>67.2</b>							
437.leslie3d	8	2732	27.5	<b>2731</b>	<b>27.5</b>	2731	27.5							
444.namd	8	<b>760</b>	<b>84.4</b>	760	84.4	760	84.4							
447.dealII	8	860	106	<b>852</b>	<b>107</b>	852	107							
450.soplex	8	1790	37.3	<b>1792</b>	<b>37.2</b>	1792	37.2							
453.povray	8	<b>320</b>	<b>133</b>	323	132	320	133							
454.calculix	8	792	83.3	798	82.7	<b>794</b>	<b>83.2</b>							
459.GemsFDTD	8	<b>2935</b>	<b>28.9</b>	2966	28.6	2933	28.9							
465.tonto	8	<b>862</b>	<b>91.3</b>	861	91.5	864	91.2							
470.lbm	8	4102	26.8	<b>4100</b>	<b>26.8</b>	4100	26.8							
481.wrf	8	1813	49.3	<b>1816</b>	<b>49.2</b>	1818	49.1							
482.sphinx3	8	2397	65.1	<b>2397</b>	<b>65.0</b>	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 MX221 and the Servidor Itautec MX201 are electronically equivalent.



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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](mailto:webmaster@spec.org).

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