



SPEC® CFP2006 Result

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Itaotec

SPECfp®_rate2006 = Not Run

Servidor Itaotec LR101 (AMD Opteron 1218)

SPECfp_rate_base2006 = 14.8

CPU2006 license: 9001

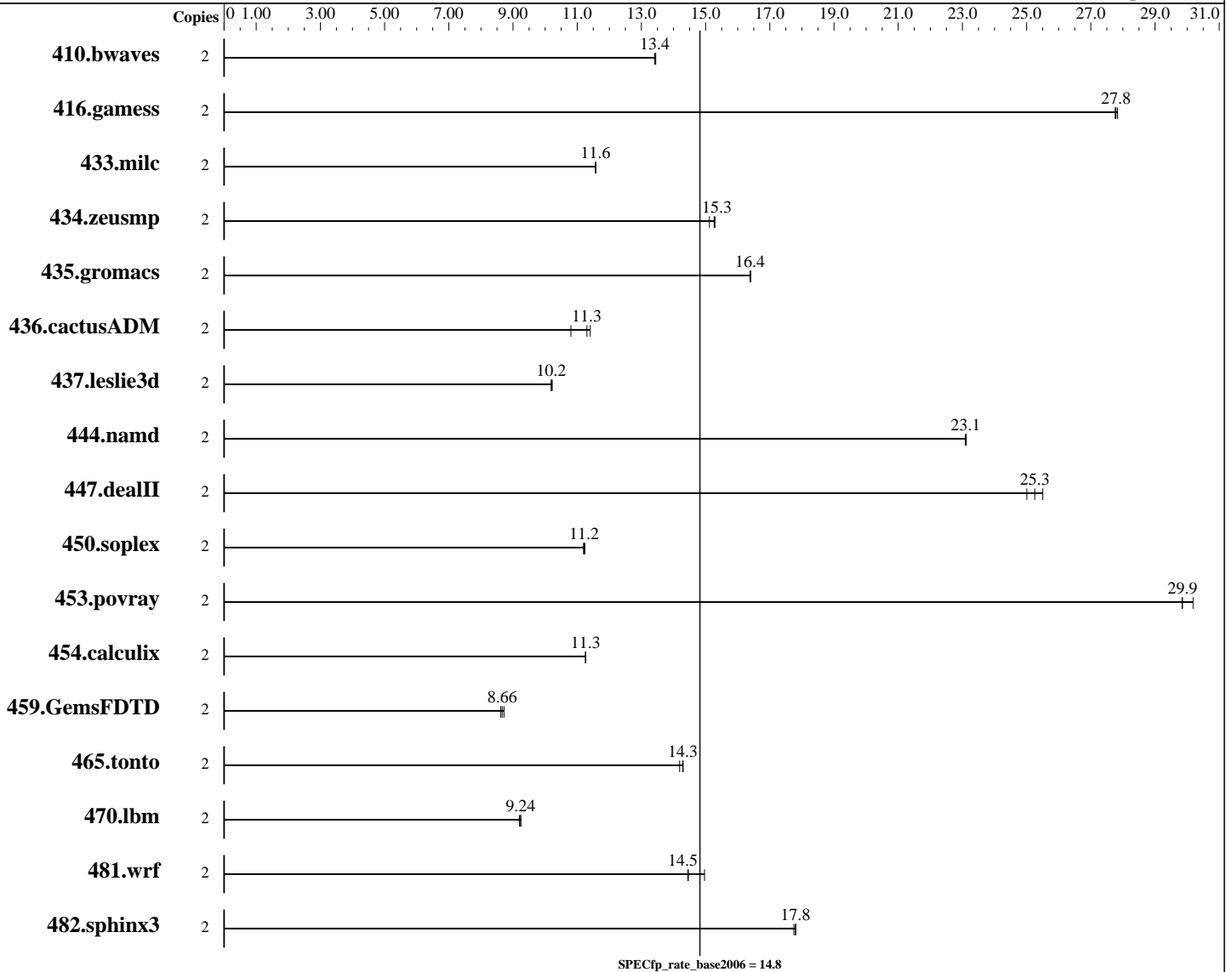
Test sponsor: Itaotec

Tested by: Itaotec

Test date: Dec-2007

Hardware Availability: Jan-2008

Software Availability: Apr-2006



Hardware

CPU Name: AMD Opteron 1218
 CPU Characteristics:
 CPU MHz: 2600
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1 chip
 Primary Cache: 64 KB I + 64 KB D on chip per core
 Secondary Cache: 1 MB I+D on chip per core

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Software

Operating System: SUSE Linux Enterprise Server 10 (x86_64) SP1, Kernel 2.6.16.46-0.12-smp
 Compiler: gcc, g++, gfortran 4.1.2
 Auto Parallel: No
 File System: ReiserFS
 System State: Multi-user, run level 3
 Base Pointers: 64-bit
 Peak Pointers: Not Applicable
 Other Software: None



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L3 Cache: None
Other Cache: None
Memory: 4 GB (4x1GB, DDR2-400 CL3)
Disk Subsystem: 200 GB SATA, 7200RPM
Other Hardware: None

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	2	<u>2025</u>	<u>13.4</u>	2026	13.4	2021	13.4							
416.gamess	2	1411	27.8	<u>1409</u>	<u>27.8</u>	1407	27.8							
433.milc	2	<u>1586</u>	<u>11.6</u>	1587	11.6	1586	11.6							
434.zeusmp	2	1204	15.1	<u>1192</u>	<u>15.3</u>	1190	15.3							
435.gromacs	2	872	16.4	870	16.4	<u>871</u>	<u>16.4</u>							
436.cactusADM	2	<u>2115</u>	<u>11.3</u>	2095	11.4	2212	10.8							
437.leslie3d	2	1839	10.2	<u>1844</u>	<u>10.2</u>	1845	10.2							
444.namd	2	695	23.1	<u>694</u>	<u>23.1</u>	694	23.1							
447.dealII	2	915	25.0	897	25.5	<u>906</u>	<u>25.3</u>							
450.soplex	2	1490	11.2	1484	11.2	<u>1487</u>	<u>11.2</u>							
453.povray	2	357	29.8	352	30.2	<u>356</u>	<u>29.9</u>							
454.calculix	2	1465	11.3	<u>1465</u>	<u>11.3</u>	1466	11.3							
459.GemsFDTD	2	2462	8.62	2434	8.72	<u>2449</u>	<u>8.66</u>							
465.tonto	2	<u>1377</u>	<u>14.3</u>	1376	14.3	1387	14.2							
470.lbm	2	<u>2975</u>	<u>9.24</u>	2972	9.24	2987	9.20							
481.wrf	2	1493	15.0	<u>1545</u>	<u>14.5</u>	1546	14.4							
482.sphinx3	2	2189	17.8	2196	17.7	<u>2190</u>	<u>17.8</u>							

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

General Notes

wrf needs "wrf_data_header_size = 8" set in the config file to read the unformatted data input file correctly on this system.

Base Compiler Invocation

C benchmarks:
gcc

C++ benchmarks:
g++

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Base Compiler Invocation (Continued)

Fortran benchmarks:
gfortran

Benchmarks using both Fortran and C:
gcc gfortran

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
436.cactusADM: -DSPEC_CPU_LP64
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
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:
-O3 -fno-inline-functions -funroll-loops
C++ benchmarks:
-O3 -funroll-loops
Fortran benchmarks:
-O3 -fno-inline-functions -funroll-loops
Benchmarks using both Fortran and C:
-O3 -fno-inline-functions -funroll-loops

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

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.00.html

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

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.00.xml



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Itautec

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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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