



SPEC® CFP2006 Result

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Acer Incorporated

SPECfp®_rate2006 = 33.0

Acer Altos G330 (Intel Xeon X3210, 2.13 GHz)

SPECfp_rate_base2006 = 32.5

CPU2006 license: 97

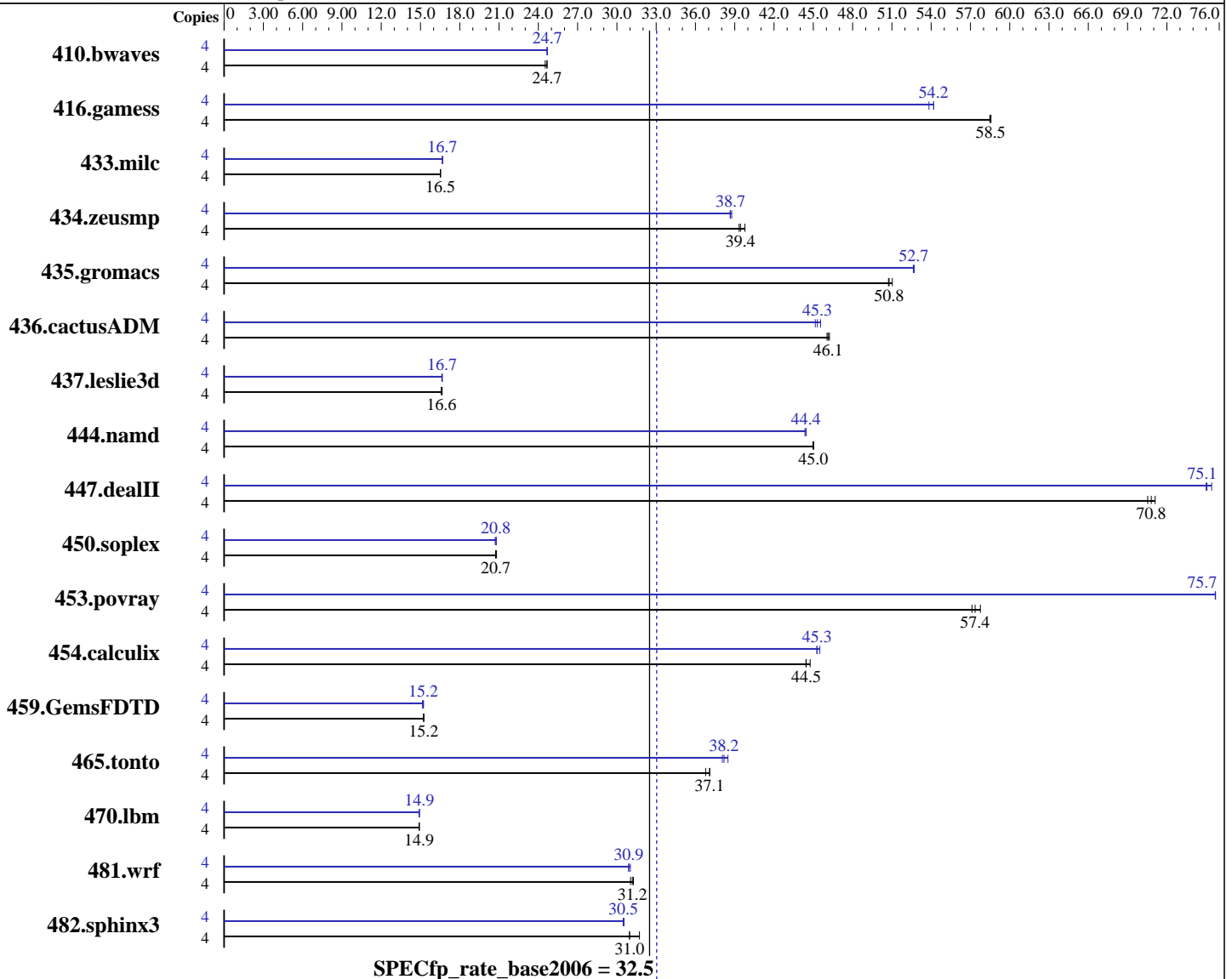
Test sponsor: Acer Incorporated

Tested by: Acer Incorporated

Test date: Feb-2007

Hardware Availability: Nov-2006

Software Availability: Jul-2006



Hardware

CPU Name: Intel Xeon X3210
 CPU Characteristics: 1066MHz system bus
 CPU MHz: 2133
 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: 8 MB I+D on chip per chip, 4 MB shared / 2 cores

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Software

Operating System: SUSE Linux Enterprise Server 10 EM64T (Kernel 2.6.16.21-0.8-smp)
 Compiler: Intel C++ Compiler 9.1 for Intel EM64T-based Package ID l_cc_c_9.1.042 Build no 20060707
 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
 File System: ReiserFS

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L3 Cache: None
Other Cache: None
Memory: 4 GB (4 x 1024MB ECC DDR2-667 CL5-5-5)
Disk Subsystem: 1 x 320GB 10000RPM SATA HDD
Other Hardware: None

System State: Default
Base Pointers: 64-bit
Peak Pointers: 32/64-bit
Other Software: --

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	4	2217	24.5	2204	24.7	<u>2205</u>	<u>24.7</u>	4	2205	24.7	2201	24.7	<u>2202</u>	<u>24.7</u>
416.gamess	4	<u>1338</u>	<u>58.5</u>	1339	58.5	1337	58.6	4	1455	53.8	<u>1445</u>	<u>54.2</u>	1445	54.2
433.milc	4	2223	16.5	2221	16.5	<u>2222</u>	<u>16.5</u>	4	2202	16.7	<u>2201</u>	<u>16.7</u>	2201	16.7
434.zeusmp	4	915	39.8	<u>923</u>	<u>39.4</u>	925	39.3	4	939	38.8	942	38.6	<u>941</u>	<u>38.7</u>
435.gromacs	4	563	50.7	560	51.0	<u>562</u>	<u>50.8</u>	4	<u>542</u>	<u>52.7</u>	543	52.6	542	52.7
436.cactusADM	4	1038	46.0	1034	46.2	<u>1036</u>	<u>46.1</u>	4	<u>1055</u>	<u>45.3</u>	1059	45.2	1049	45.6
437.leslie3d	4	<u>2264</u>	<u>16.6</u>	2267	16.6	2258	16.7	4	2261	16.6	<u>2258</u>	<u>16.7</u>	2256	16.7
444.namd	4	713	45.0	712	45.0	<u>713</u>	<u>45.0</u>	4	<u>722</u>	<u>44.4</u>	723	44.4	722	44.4
447.dealII	4	<u>646</u>	<u>70.8</u>	649	70.5	644	71.1	4	607	75.4	610	75.0	<u>610</u>	<u>75.1</u>
450.soplex	4	<u>1608</u>	<u>20.7</u>	1603	20.8	1609	20.7	4	1604	20.8	<u>1607</u>	<u>20.8</u>	1611	20.7
453.povray	4	<u>371</u>	<u>57.4</u>	368	57.8	373	57.1	4	<u>281</u>	<u>75.7</u>	281	75.7	281	75.7
454.calculix	4	<u>742</u>	<u>44.5</u>	737	44.8	743	44.4	4	725	45.5	729	45.3	<u>729</u>	<u>45.3</u>
459.GemsFDTD	4	2784	15.2	2784	15.2	<u>2784</u>	<u>15.2</u>	4	2801	15.1	<u>2788</u>	<u>15.2</u>	2788	15.2
465.tonto	4	<u>1062</u>	<u>37.1</u>	1070	36.8	1061	37.1	4	1023	38.5	<u>1031</u>	<u>38.2</u>	1034	38.1
470.lbm	4	3685	14.9	3690	14.9	<u>3690</u>	<u>14.9</u>	4	3689	14.9	<u>3686</u>	<u>14.9</u>	3684	14.9
481.wrf	4	<u>1433</u>	<u>31.2</u>	1429	31.3	1439	31.0	4	<u>1445</u>	<u>30.9</u>	1446	30.9	1440	31.0
482.sphinx3	4	2457	31.7	<u>2518</u>	<u>31.0</u>	2518	31.0	4	<u>2556</u>	<u>30.5</u>	2558	30.5	2552	30.5

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

General Notes



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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.lelie3d: -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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Peak Compiler Invocation

C benchmarks:

icc

C++ benchmarks:

icpc

Fortran benchmarks:

ifort

Benchmarks using both Fortran and C:

icc ifort

Peak Portability Flags

Same as Base Portability Flags

Peak Optimization Flags

C benchmarks:

-prof_gen(pass 1) -prof_use(pass 2) -fast -auto_ilp32

C++ benchmarks:

-prof_gen(pass 1) -prof_use(pass 2) -fast -auto_ilp32

Fortran benchmarks:

-prof_gen(pass 1) -prof_use(pass 2) -fast -auto_ilp32

Benchmarks using both Fortran and C:

-prof_gen(pass 1) -prof_use(pass 2) -fast -auto_ilp32

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

<http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags.html>

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

<http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-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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