



SPEC[®] CFP2006 Result

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Acer Incorporated

SPECfp[®]_rate2006 = 57.2

Acer Altos G540 (Intel Xeon X5355, 2.66GHz)

SPECfp_rate_base2006 = 56.3

CPU2006 license: 97

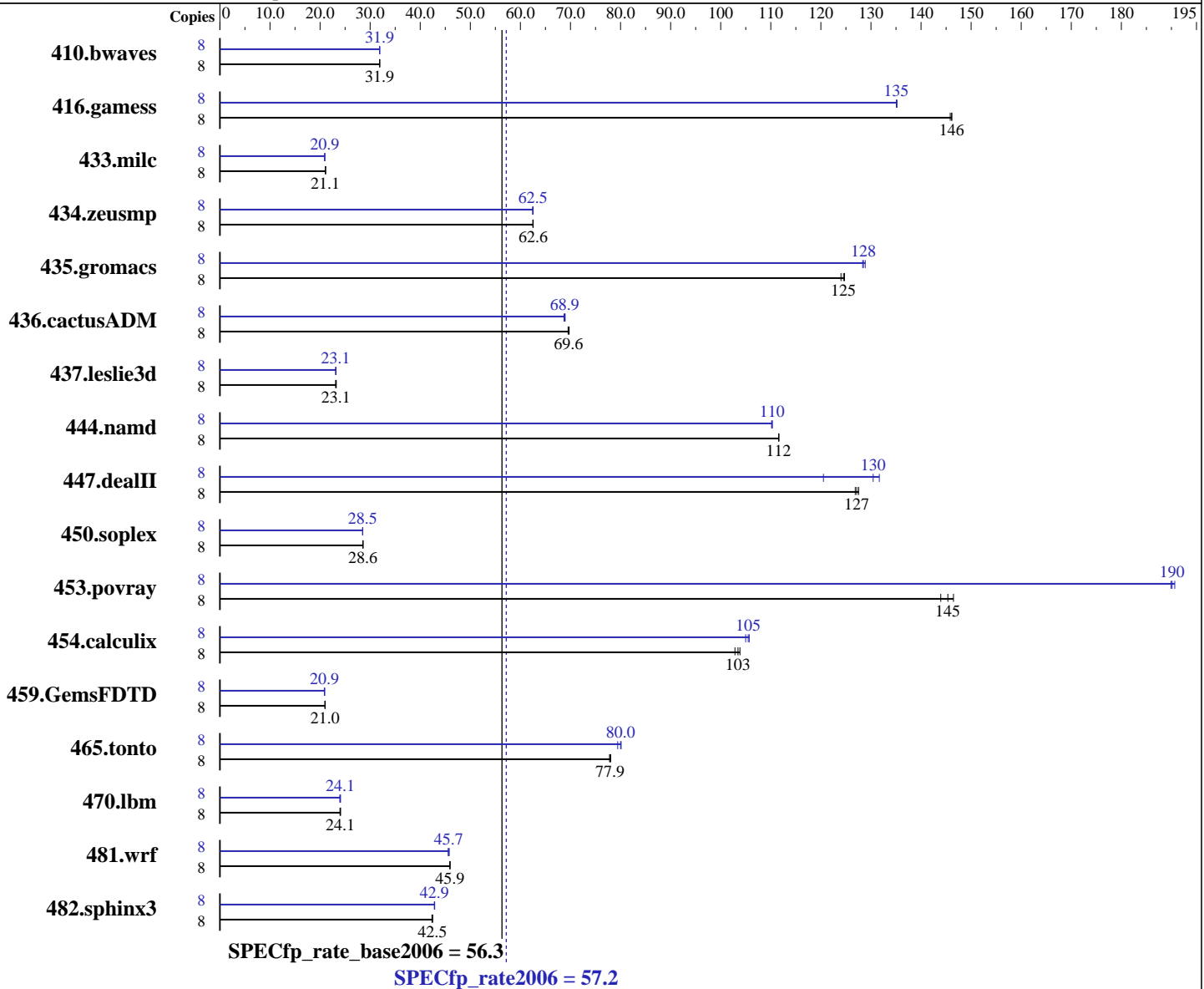
Test sponsor: Acer Incorporated

Tested by: Acer Incorporated

Test date: Feb-2007

Hardware Availability: Nov-2006

Software Availability: Nov-2006



Hardware

CPU Name: Intel Xeon X5355
 CPU Characteristics: 1333MHz system bus
 CPU MHz: 2666
 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: 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 1_cc_c_9.1.042 Build no 20060707
 Intel Fortran Compiler for Intel EM64T-based applications, Version 9.1
 Package ID 1_fc_c_9.1.040 Build no 20061101
 Auto Parallel: No
 File System: NTFS

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L3 Cache: None
Other Cache: None
Memory: 16 GB (8 x 2048MB ECC FB-DIMM DDR2-667 CL5-5-5)
Disk Subsystem: 1 x 73GB 10000RPM SAS 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	8	3407	31.9	3409	31.9	3408	31.9	8	3408	31.9	3407	31.9	3410	31.9
416.gamess	8	1072	146	1072	146	1074	146	8	1159	135	1160	135	1160	135
433.milc	8	3484	21.1	3482	21.1	3484	21.1	8	3511	20.9	3507	20.9	3507	20.9
434.zeusmp	8	1165	62.5	1164	62.6	1164	62.6	8	1166	62.4	1164	62.6	1164	62.5
435.gromacs	8	459	125	458	125	461	124	8	443	129	445	128	445	128
436.cactusADM	8	1373	69.6	1371	69.7	1375	69.5	8	1391	68.7	1387	68.9	1388	68.9
437.leslie3d	8	3235	23.2	3251	23.1	3250	23.1	8	3253	23.1	3251	23.1	3243	23.2
444.namd	8	575	112	575	112	575	112	8	582	110	582	110	582	110
447.dealII	8	721	127	720	127	718	128	8	695	132	702	130	759	121
450.soplex	8	2333	28.6	2335	28.6	2339	28.5	8	2341	28.5	2340	28.5	2339	28.5
453.povray	8	296	144	293	145	291	146	8	224	190	223	191	224	190
454.calculix	8	636	104	638	103	642	103	8	624	106	626	105	629	105
459.GemsFDTD	8	4050	21.0	4042	21.0	4036	21.0	8	4064	20.9	4054	20.9	4071	20.8
465.tonto	8	1009	78.0	1010	77.9	1012	77.8	8	983	80.1	991	79.4	984	80.0
470.lbm	8	4567	24.1	4566	24.1	4585	24.0	8	4567	24.1	4592	23.9	4569	24.1
481.wrf	8	1946	45.9	1945	45.9	1945	45.9	8	1957	45.7	1951	45.8	1961	45.6
482.sphinx3	8	3683	42.3	3673	42.5	3672	42.5	8	3638	42.9	3642	42.8	3635	42.9

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

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