



SPEC® CINT2006 Result

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Acer Incorporated

SPECint®_rate2006 = 28.9

Acer Altos G330 (Intel Xeon 3070, 2.66 GHz)

SPECint_rate_base2006 = 27.8

CPU2006 license: 97

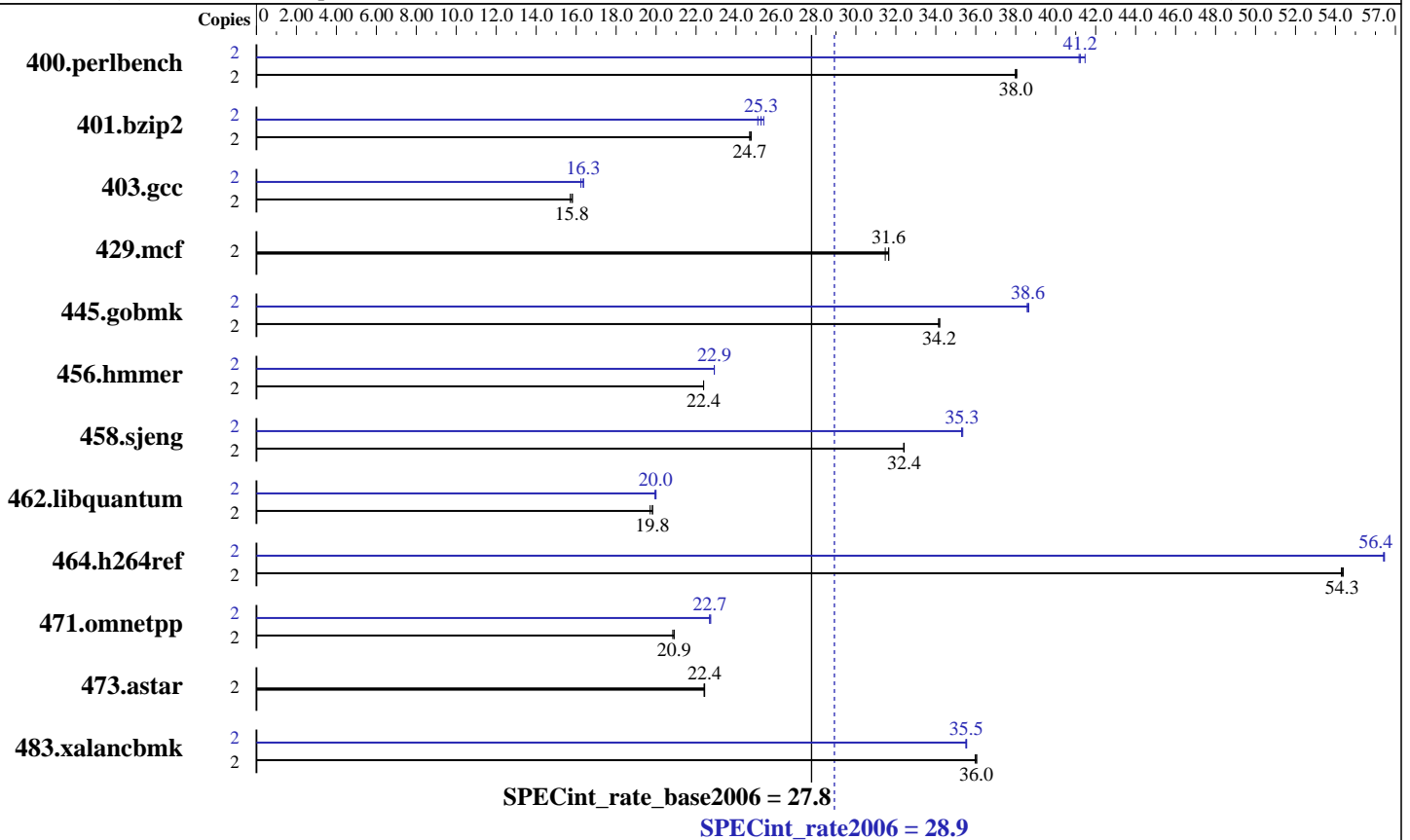
Test sponsor: Acer Incorporated

Tested by: Acer Incorporated

Test date: Apr-2007

Hardware Availability: Nov-2006

Software Availability: Jul-2006



Hardware

CPU Name: Intel Xeon 3070
 CPU Characteristics: 1066MHz system bus
 CPU MHz: 2666
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1 chip
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 4 MB I+D on chip per chip
 L3 Cache: None
 Other Cache: None
 Memory: 4 GB (4 x 1024MB ECC DDR2-667 CL5-5-5)
 Disk Subsystem: 1 x 80GB 10000RPM SATA HDD
 Other Hardware: None

Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition (Build 3790), Service Pack 1
 Compiler: Intel C++ Compiler for IA32 version 9.1
 Package ID W_CC_C_9.1.028 Build 20060706Z
 Microsoft Visual Studio 2003 .Net (libr. & linker)
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: MicroQuill Smart Heap Library, Version 7.4



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Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	2	515	38.0	<u>514</u>	<u>38.0</u>	513	38.1	2	471	41.5	<u>474</u>	<u>41.2</u>	475	41.2
401.bzip2	2	<u>781</u>	<u>24.7</u>	782	24.7	779	24.8	2	760	25.4	<u>764</u>	<u>25.3</u>	769	25.1
403.gcc	2	1025	15.7	<u>1020</u>	<u>15.8</u>	1018	15.8	2	992	16.2	<u>985</u>	<u>16.3</u>	983	16.4
429.mcf	2	580	31.5	576	31.6	<u>576</u>	<u>31.6</u>	2	580	31.5	576	31.6	<u>576</u>	<u>31.6</u>
445.gobmk	2	615	34.1	614	34.2	<u>614</u>	<u>34.2</u>	2	544	38.6	543	38.7	<u>543</u>	<u>38.6</u>
456.hammer	2	834	22.4	834	22.4	<u>834</u>	<u>22.4</u>	2	<u>814</u>	<u>22.9</u>	814	22.9	814	22.9
458.sjeng	2	747	32.4	747	32.4	<u>747</u>	<u>32.4</u>	2	685	35.3	686	35.3	<u>685</u>	<u>35.3</u>
462.libquantum	2	2103	19.7	2090	19.8	<u>2092</u>	<u>19.8</u>	2	2072	20.0	<u>2075</u>	<u>20.0</u>	2078	19.9
464.h264ref	2	815	54.3	814	54.4	<u>815</u>	<u>54.3</u>	2	784	56.5	<u>784</u>	<u>56.4</u>	785	56.4
471.omnetpp	2	600	20.8	598	20.9	<u>598</u>	<u>20.9</u>	2	550	22.7	551	22.7	<u>551</u>	<u>22.7</u>
473.astar	2	627	22.4	<u>626</u>	<u>22.4</u>	626	22.4	2	627	22.4	<u>626</u>	<u>22.4</u>	626	22.4
483.xalancbmk	2	384	36.0	<u>383</u>	<u>36.0</u>	383	36.0	2	388	35.5	<u>388</u>	<u>35.5</u>	389	35.5

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

General Notes

Base Compiler Invocation

C benchmarks:

icl -Qvc7.1 -Qc99

C++ benchmarks:

icl -Qvc7.1

Base Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32



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Base Optimization Flags

C benchmarks:

-fast /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

C++ benchmarks:

-fast -Qcxx_features /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

Base Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

Peak Compiler Invocation

C benchmarks:

icl -Qvc7.1 -Qc99

C++ benchmarks:

icl -Qvc7.1

Peak Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32

Peak Optimization Flags

C benchmarks:

400.perlbench: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
shlw32m.lib -link /FORCE:MULTIPLE

401.bzip2: Same as 400.perlbench

403.gcc: Same as 400.perlbench

429.mcf: basepeak = yes

445.gobmk: Same as 400.perlbench

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Peak Optimization Flags (Continued)

456.hmmcr: Same as 400.perlbench

458.sjeng: Same as 400.perlbench

462.libquantum: Same as 400.perlbench

464.h264ref: Same as 400.perlbench

C++ benchmarks:

471.omnetpp: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx_features
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

473.astar: basepeak = yes

483.xalancbmk: Same as 471.omnetpp

Peak Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

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

<http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags.20090714.html>

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

<http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags.20090714.xml>

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