



SPEC® CINT2006 Result

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Acer Incorporated

SPECint®_rate2006 = 47.3

Acer Altos G540 (Intel Xeon X5355, 2.66GHz)

SPECint_rate_base2006 = 45.9

CPU2006 license: 97

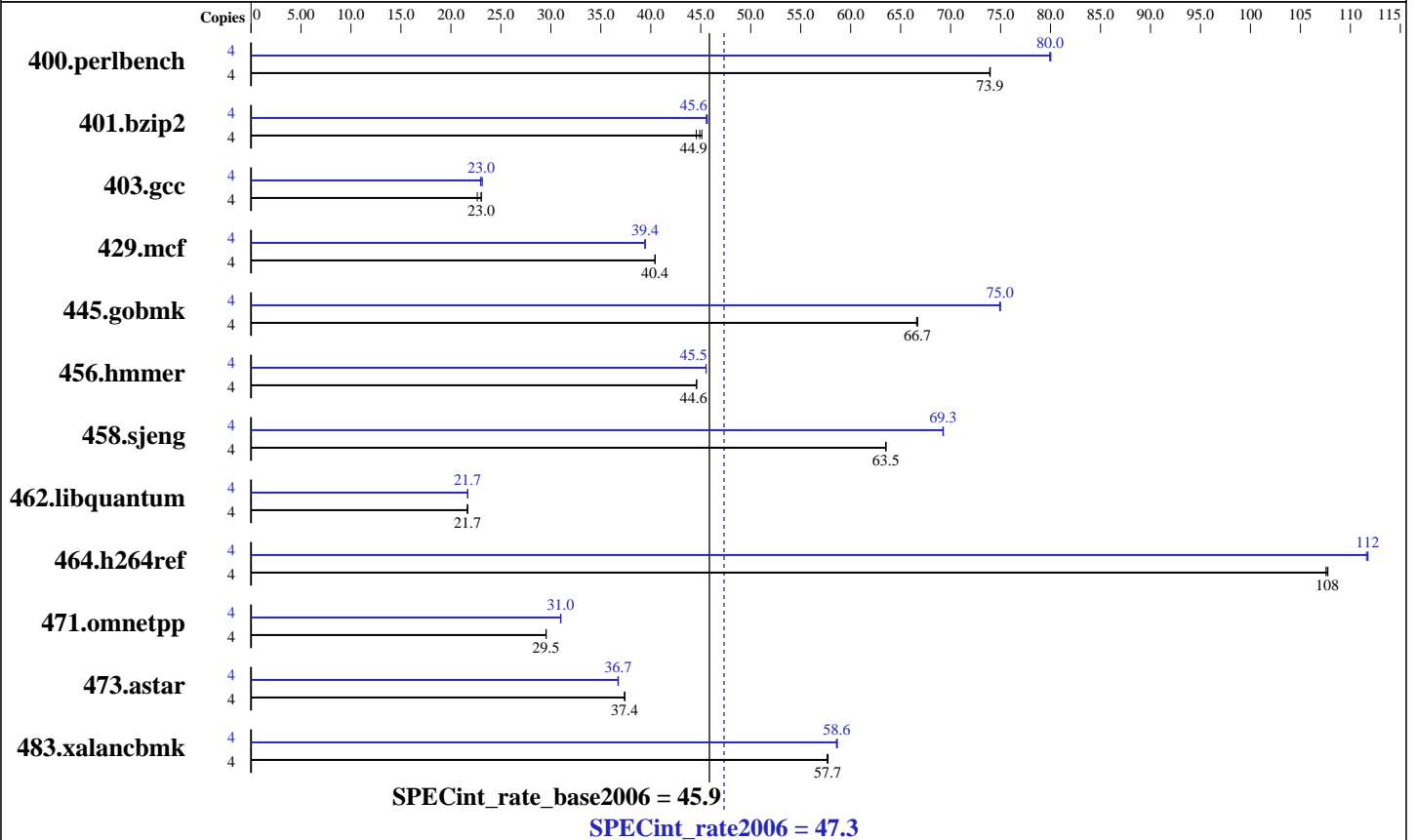
Test date: Feb-2007

Test sponsor: Acer Incorporated

Hardware Availability: Nov-2006

Tested by: Acer Incorporated

Software Availability: Jul-2006



Hardware

CPU Name: Intel Xeon X5355
 CPU Characteristics: 1333MHz system bus
 CPU MHz: 2666
 FPU: Integrated
 CPU(s) enabled: 4 cores, 1 chip, 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
 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

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	4	<u>528</u>	<u>73.9</u>	529	73.9	528	74.0	4	<u>489</u>	<u>80.0</u>	489	79.9	488	80.0
401.bzip2	4	<u>860</u>	<u>44.9</u>	866	44.5	856	45.1	4	845	45.7	<u>846</u>	<u>45.6</u>	847	45.6
403.gcc	4	1398	23.0	1422	22.6	<u>1398</u>	<u>23.0</u>	4	1391	23.1	<u>1399</u>	<u>23.0</u>	1402	23.0
429.mcf	4	902	40.5	<u>902</u>	<u>40.4</u>	903	40.4	4	<u>925</u>	<u>39.4</u>	926	39.4	924	39.5
445.gobmk	4	<u>629</u>	<u>66.7</u>	630	66.6	629	66.7	4	560	75.0	<u>560</u>	<u>75.0</u>	560	74.9
456.hammer	4	837	44.6	837	44.6	<u>837</u>	<u>44.6</u>	4	819	45.5	820	45.5	<u>820</u>	<u>45.5</u>
458.sjeng	4	<u>762</u>	<u>63.5</u>	762	63.5	762	63.5	4	699	69.3	699	69.2	<u>699</u>	<u>69.3</u>
462.libquantum	4	3824	21.7	3829	21.6	<u>3824</u>	<u>21.7</u>	4	3822	21.7	3822	21.7	<u>3822</u>	<u>21.7</u>
464.h264ref	4	<u>822</u>	<u>108</u>	823	108	822	108	4	<u>792</u>	<u>112</u>	792	112	793	112
471.omnetpp	4	<u>847</u>	<u>29.5</u>	846	29.5	847	29.5	4	<u>807</u>	<u>31.0</u>	807	31.0	806	31.0
473.astar	4	750	37.4	751	37.4	<u>751</u>	<u>37.4</u>	4	765	36.7	764	36.8	<u>765</u>	<u>36.7</u>
483.xalancbmk	4	<u>478</u>	<u>57.7</u>	478	57.7	479	57.6	4	470	58.7	<u>471</u>	<u>58.6</u>	471	58.6

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

General Notes

Compiler Invocation

C benchmarks:

icl -Qvc7.1 -Qc99

C++ benchmarks:

icl -Qvc7.1

Portability Flags

403.gcc: -DSPEC_CPU_WIN32
 464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32
 473.astar: -DSPEC_CPU_LITTLE_ENDIAN



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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`

Peak Optimization Flags

C benchmarks:

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

C++ benchmarks:

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

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-file-20070101.xml.html>

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

<http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags-file-20070101.xml.xml>

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Tested with SPEC CPU2006 v1.0.
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