



SPEC® CINT2006 Result

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Acer Incorporated

SPECint®_rate2006 = Not Run

Acer Altos R720 (Intel Xeon E5405)

SPECint_rate_base2006 = 45.8

CPU2006 license: 97

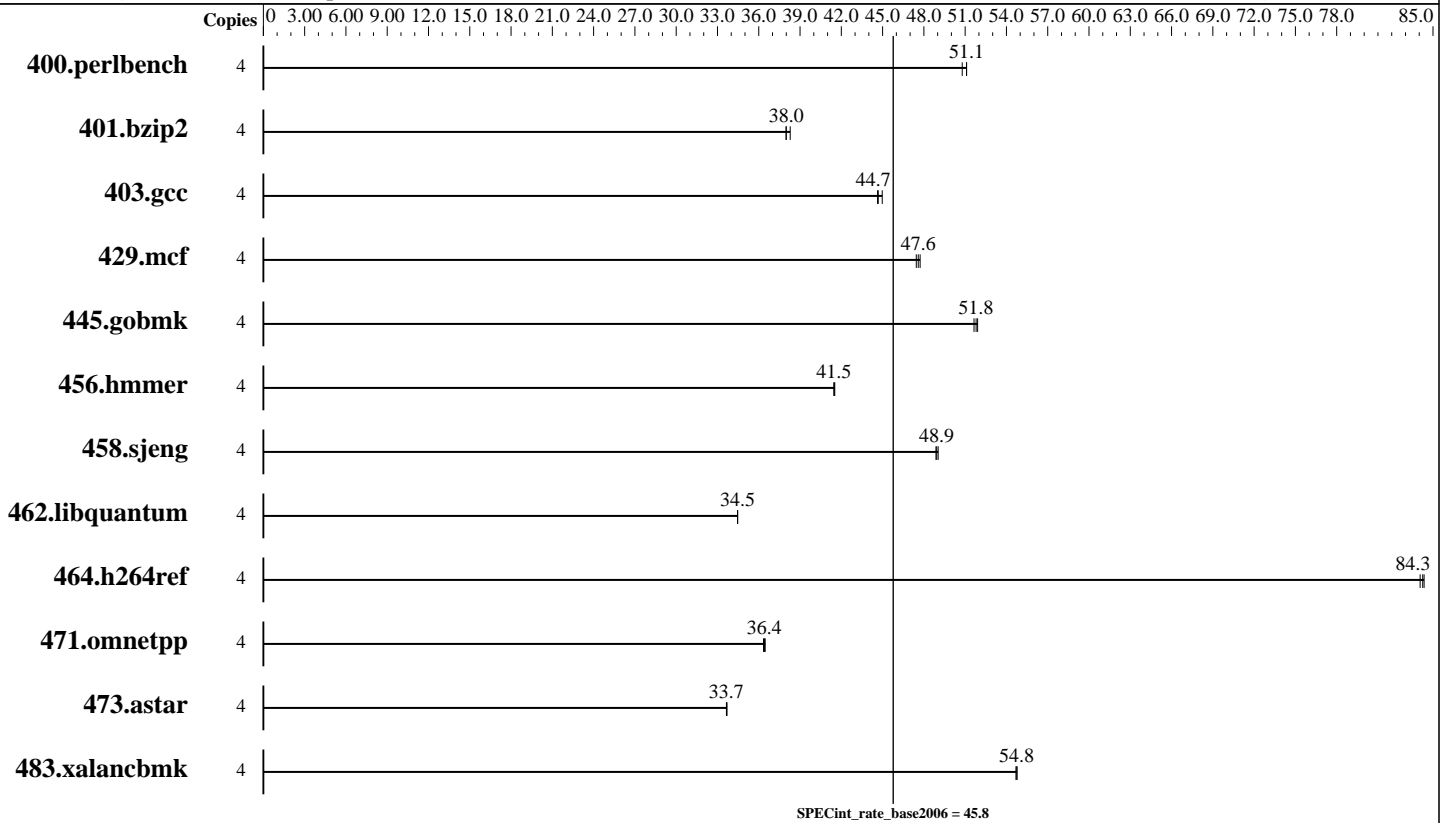
Test sponsor: Acer Incorporated

Tested by: Acer Incorporated

Test date: Mar-2008

Hardware Availability: Nov-2007

Software Availability: Nov-2007



Hardware

CPU Name: Intel Xeon E5405
 CPU Characteristics: 1333MHz system bus
 CPU MHz: 2000
 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: 12 MB I+D on chip per chip, 6 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 10K RPM SAS HDD
 Other Hardware: None

Software

Operating System: SuSE Linux Enterprise Server 10 SP1 (x86_64)
 Kernel 2.6.16.46-0.12-smp
 Compiler: Intel C++ Compiler 10.1 for Linux
 Build 20070913 Package ID: l_cc_p_10.1.008
 Auto Parallel: Yes
 File System: ReiserFS
 System State: Multi-user, level 3
 Base Pointers: 32-bit
 Peak Pointers: Not Applicable
 Other Software: Microquill SmartHeap V8.1
 Binutils 2.17.50.0.15



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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>765</u>	<u>51.1</u>	769	50.8	765	51.1							
401.bzip2	4	1008	38.3	<u>1016</u>	<u>38.0</u>	1016	38.0							
403.gcc	4	716	45.0	<u>721</u>	<u>44.7</u>	721	44.6							
429.mcf	4	764	47.7	<u>767</u>	<u>47.6</u>	769	47.4							
445.gobmk	4	812	51.6	808	51.9	<u>810</u>	<u>51.8</u>							
456.hmmer	4	<u>900</u>	<u>41.5</u>	900	41.5	899	41.5							
458.sjeng	4	<u>989</u>	<u>48.9</u>	987	49.0	990	48.9							
462.libquantum	4	<u>2405</u>	<u>34.5</u>	2405	34.5	2405	34.5							
464.h264ref	4	1049	84.4	<u>1051</u>	<u>84.3</u>	1053	84.1							
471.omnetpp	4	688	36.3	<u>687</u>	<u>36.4</u>	686	36.5							
473.astar	4	<u>834</u>	<u>33.7</u>	833	33.7	834	33.7							
483.xalancbmk	4	<u>504</u>	<u>54.8</u>	504	54.8	505	54.7							

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

General Notes

This result was measured on the Acer Altos R520.
The Altos R720 and Altos R520 are electronically equivalent.

All benchmarks compiled in 32-bit mode except 401.bzip2 and 456.hmmer, for peak, are compiled in 64-bit mode

BIOS Settings

Hardware Prefetcher set to OFF

Adjacent Cache Line Prefetch set to OFF

All results but peak 462.libquantum used taskset to bind processes to cores.

"ulimit -s unlimited" was set for stacksize unlimited

OMP_NUM_THREADS set to number of cores

Base Compiler Invocation

C benchmarks:

icc

C++ benchmarks:

icpc



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Base Portability Flags

400.perlbench: -DSPEC_CPU_LINUX_IA32
462.libquantum: -DSPEC_CPU_LINUX
483.xalancbmk: -DSPEC_CPU_LINUX

Base Optimization Flags

C benchmarks:

-fast -inline-calloc -opt-malloc-options=3

C++ benchmarks:

-xT -ipo -O3 -no-prec-div -Wl,-z,muldefs
-L/spec/users/rahul/cpu2006.1.0/lib -lsmartheap

Base 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/Intel-ic10.1-int-linux64-revC.20090713.html>

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

<http://www.spec.org/cpu2006/flags/Intel-ic10.1-int-linux64-revC.20090713.xml>

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For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.0.

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