



SPEC® CINT2006 Result

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Intel Corporation Lenovo Thinkpad T61

SPECint®_rate2006 = 29.8

SPECint_rate_base2006 = 28.3

CPU2006 license: 13

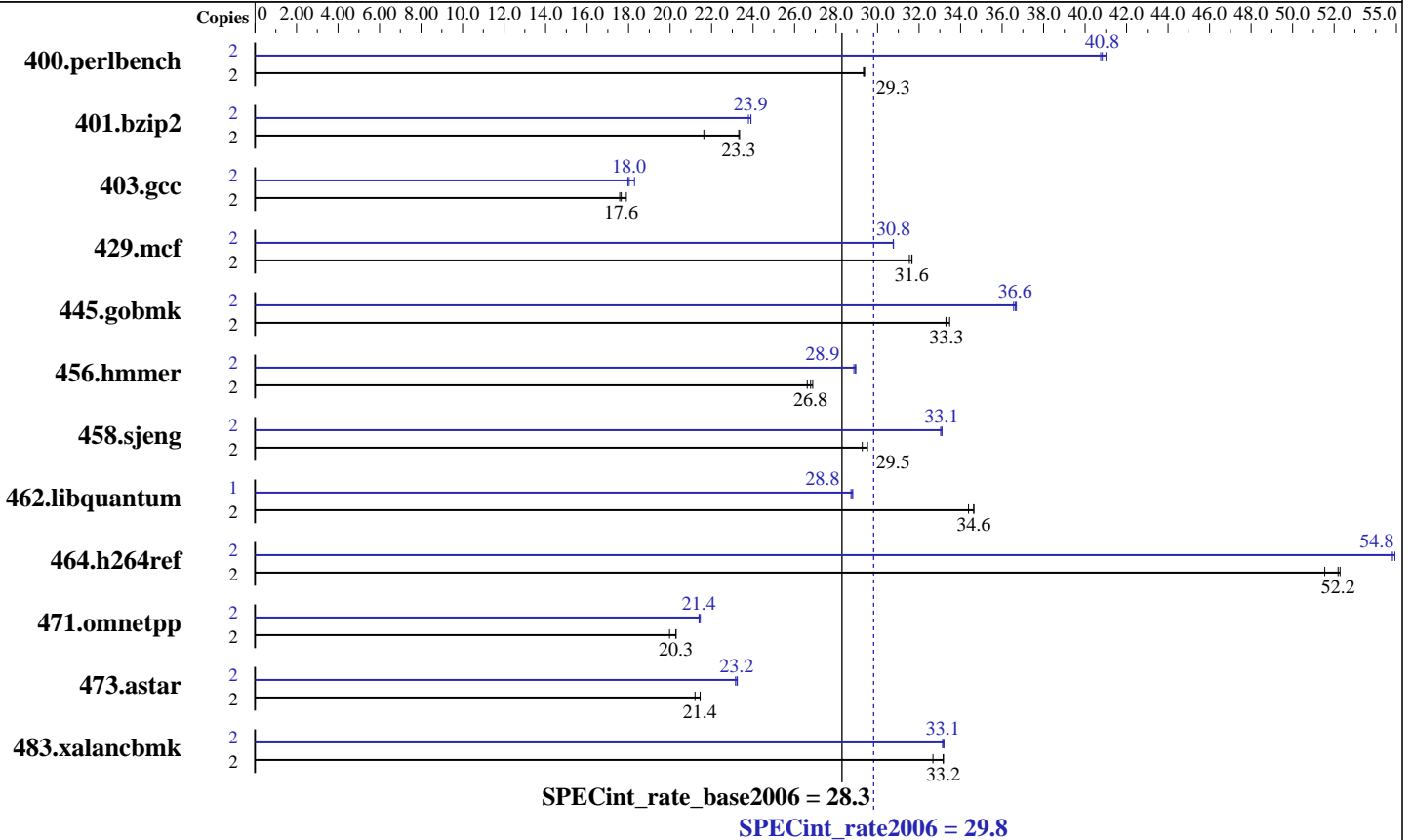
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Aug-2008

Hardware Availability: Sep-2007

Software Availability: Nov-2007



Hardware

CPU Name: Intel Core 2 Duo T7800
 CPU Characteristics:
 CPU MHz: 2600
 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: 2 GB (2x1GB Micron PC2-6400 DDR2-800 CL5)
 Disk Subsystem: Hitachi Travelstar HTS721010G9SA00 SATA 100GB 7200RPM
 Other Hardware: None

Software

Operating System: Windows XP Professional SP2
 Compiler: Intel C++ Compiler for IA32 version 10.1
 Build 20070913 Package ID: w_cc_p_10.1.011
 Microsoft Visual Studio 2005 SP1 (for libraries)
 Auto Parallel: Yes
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: SmartHeap Library Version 8.1 from <http://www.microquill.com/>



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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	666	<u>29.3</u>	665	29.4	666	29.3	2	479	40.8	479	<u>40.8</u>	476	41.0
401.bzip2	2	892	21.6	828	<u>23.3</u>	827	23.4	2	808	<u>23.9</u>	808	23.9	812	23.8
403.gcc	2	900	17.9	916	17.6	912	<u>17.6</u>	2	880	18.3	896	18.0	893	<u>18.0</u>
429.mcf	2	576	31.7	576	<u>31.6</u>	578	31.5	2	593	30.8	593	30.8	593	<u>30.8</u>
445.gobmk	2	630	<u>33.3</u>	627	33.5	630	33.3	2	572	36.7	573	<u>36.6</u>	574	36.6
456.hammer	2	697	<u>26.8</u>	694	26.9	701	26.6	2	644	29.0	645	<u>28.9</u>	647	28.9
458.sjeng	2	820	<u>29.5</u>	820	29.5	827	29.3	2	731	<u>33.1</u>	733	33.0	731	33.1
462.libquantum	2	1196	34.6	1197	<u>34.6</u>	1205	34.4	1	720	<u>28.8</u>	721	28.7	719	28.8
464.h264ref	2	846	52.3	848	<u>52.2</u>	859	51.5	2	806	54.9	807	<u>54.8</u>	808	54.8
471.omnetpp	2	616	20.3	616	<u>20.3</u>	626	20.0	2	584	<u>21.4</u>	584	21.4	583	21.5
473.astar	2	655	21.5	655	<u>21.4</u>	662	21.2	2	605	<u>23.2</u>	604	23.2	606	23.2
483.xalanbmk	2	416	33.2	416	<u>33.2</u>	422	32.7	2	416	<u>33.1</u>	416	33.1	416	33.2

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

General Notes

Binaries were built on Windows Vista32
The following VS 2005 SP1 updates were applied: KB926601 and KB932232

Base Compiler Invocation

C benchmarks:
icl -Qvc8 -Qc99
C++ benchmarks:
icl -Qvc8

Base Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32
483.xalanbmk: -Qoption,cpp,--no_wchar_t_keyword

Base Optimization Flags

C benchmarks:
-fast -Qvec-guard-write /F512000000

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Base Optimization Flags (Continued)

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 -Qvc8 -Qc99
C++ benchmarks:
icl -Qvc8

Peak Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32
483.xalancbmk: -Qoption,cpp,--no_wchar_t_keyword

Peak Optimization Flags

C benchmarks:
400.perlbench: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qprefetch /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE
401.bzip2: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qprefetch
/F512000000
403.gcc: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
429.mcf: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qprefetch
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE
445.gobmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxT -O2 -Qipo
-Qprec-div- -Qansi-alias /F512000000

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Peak Optimization Flags (Continued)

456.hmmcr: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll12
-Qansi-alias -Qopt-multi-version-aggressive /F512000000

458.sjeng: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll14
/F512000000

462.libquantum: -fast -Qunroll14 -Ob0 -Qprefetch
-Qopt-streaming-stores:always -Qparallel
-Qpar-runtime-control /F512000000

464.h264ref: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll12
-Qansi-alias /F512000000

C++ benchmarks:

471.omnetpp: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qopt-ra-region-strategy=block -Qcxx_features /F512000000
shlw32m.lib -link /FORCE:MULTIPLE

473.astar: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qopt-ra-region-strategy=routine -Qcxx_features /F512000000
shlw32m.lib -link /FORCE:MULTIPLE

483.xalancbmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qcxx_features /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

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/Intel-ic10.1-win32-revC.html>

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

<http://www.spec.org/cpu2006/flags/Intel-ic10.1-win32-revC.xml>



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