



SPEC® CINT2006 Result

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Dell Inc.

SPECint®_rate2006 = 140

Dell Precision T7400 (Intel Xeon X5482, 3.20 GHz)

SPECint_rate_base2006 = 121

CPU2006 license: 55

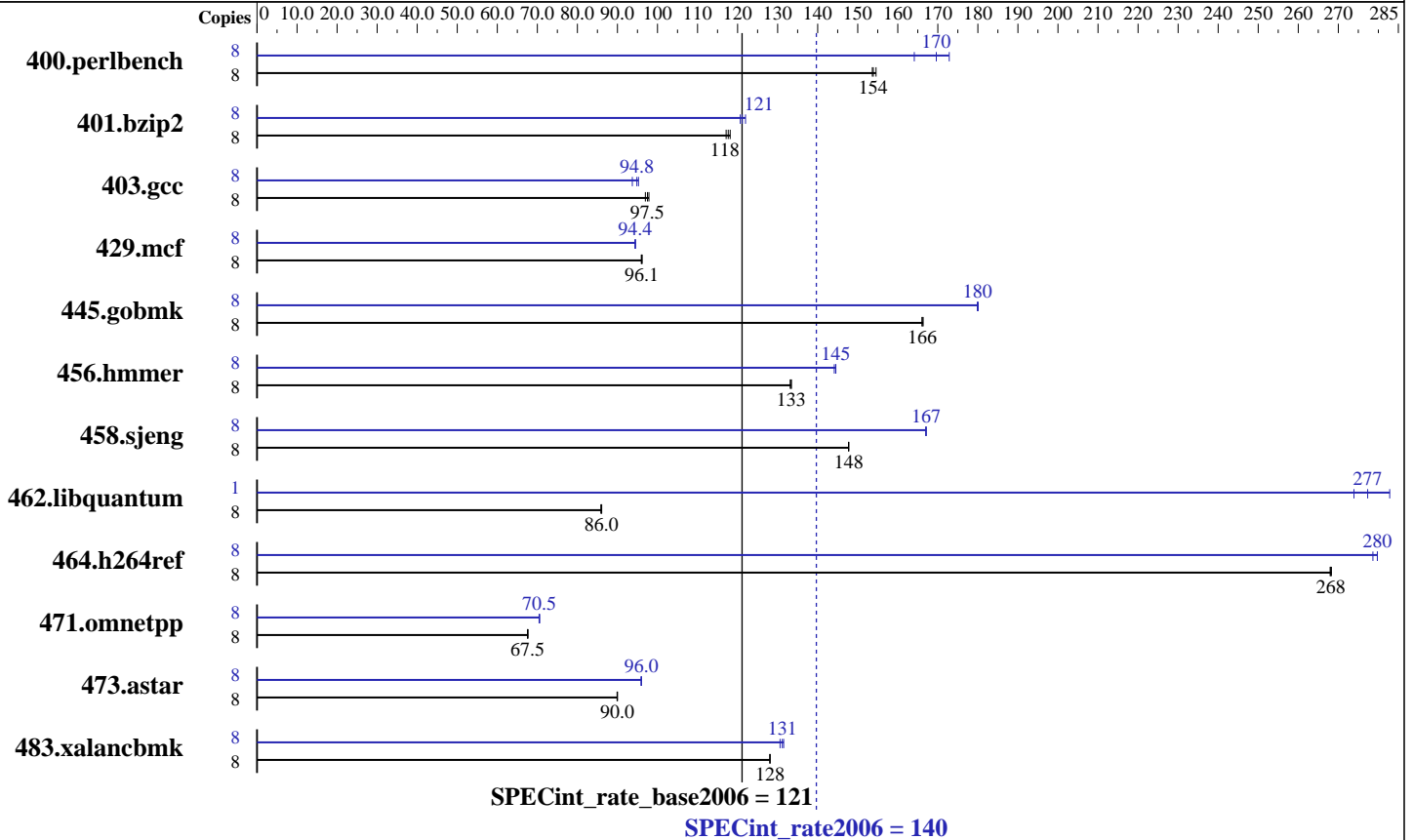
Test date: Apr-2008

Test sponsor: Dell Inc.

Hardware Availability: Jan-2008

Tested by: Dell Inc.

Software Availability: Mar-2008



Hardware

CPU Name: Intel Xeon X5482
 CPU Characteristics: 1600 MHz Bus Speed
 CPU MHz: 3200
 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: 12 MB I+D on chip per chip, 6 MB shared / 2 cores
 L3 Cache: None
 Other Cache: None
 Memory: 16 GB (8x2 GB 800 MHz CL5 FB-DIMM)
 Disk Subsystem: 1 x 160 GB SATA 7200 RPM
 Other Hardware: None

Software

Operating System: Windows Vista Ultimate (64-bit)
 Compiler: Intel C++ Compiler for IA-32, Version 10.1
 Build 20080312 Package ID: w_cc_p_10.1.021
 Microsoft Visual Studio 2005 SP1
 Auto Parallel: Yes
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: MicroQuill SmartHeap Library 8.1



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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	8	508	154	509	154	506	155	8	476	164	452	173	461	170
401.bzip2	8	659	117	656	118	653	118	8	640	121	637	121	633	122
403.gcc	8	661	97.5	664	97.0	658	97.9	8	679	94.8	676	95.3	687	93.7
429.mcf	8	760	96.0	759	96.1	759	96.2	8	773	94.4	772	94.5	773	94.4
445.gobmk	8	505	166	505	166	504	166	8	467	180	466	180	466	180
456.hammer	8	561	133	559	133	560	133	8	518	144	516	145	516	145
458.sjeng	8	655	148	655	148	655	148	8	579	167	579	167	580	167
462.libquantum	8	1926	86.1	1930	85.9	1928	86.0	1	73.3	283	74.7	277	75.6	274
464.h264ref	8	660	268	660	268	661	268	8	635	279	633	280	633	280
471.omnetpp	8	740	67.5	739	67.7	740	67.5	8	710	70.4	708	70.6	709	70.5
473.astar	8	624	90.0	624	90.0	625	89.9	8	586	95.9	585	96.0	585	96.0
483.xalancbmk	8	431	128	431	128	431	128	8	421	131	420	132	423	131

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

Base Compiler Invocation

C benchmarks:
icl -Qstd=c99

C++ benchmarks:
icl

Base Portability Flags

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

Base Optimization Flags

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

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



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Base Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

Peak Compiler Invocation

C benchmarks:

icl -Qstd=c99

C++ benchmarks:

icl

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
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: Same as 401.bzip2
445.gobmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxT -O2 -Qipo
-Qprec-div- -Qansi-alias /F512000000
456.hmmer: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2
-Qansi-alias -Qopt-multi-version-aggressive /F512000000
458.sjeng: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll4
/F512000000
462.libquantum: -fast -Qunroll14 -Ob0 -Qprefetch
-Qopt-streaming-stores:always -Qparallel
-Qpar-runtime-control /F512000000 shlw32mt.lib

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Peak Optimization Flags (Continued)

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/dell.ic10.1.windows.flags.20090714.html>

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

<http://www.spec.org/cpu2006/flags/dell.ic10.1.windows.flags.20090714.xml>

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Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 17:13:19 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 13 May 2008.