



SPEC® CINT2006 Result

Copyright 2006-2009 Standard Performance Evaluation Corporation

Dell Inc.

SPECint®2006 = 19.2

Dell Precision M6300 (Intel X7900, 2.80 GHz)

SPECint_base2006 = 17.6

CPU2006 license: 55

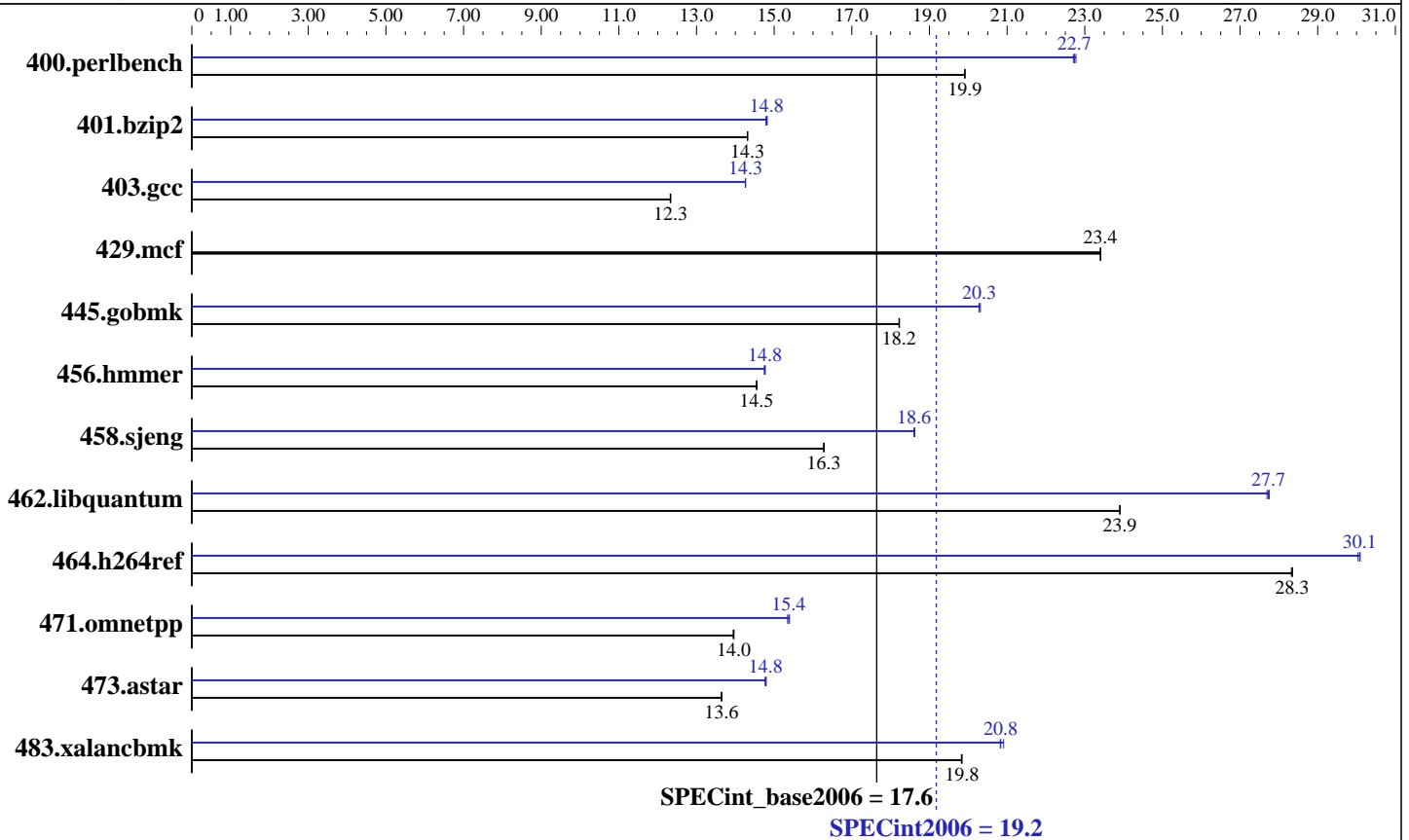
Test date: Aug-2007

Test sponsor: Dell Inc.

Hardware Availability: Aug-2007

Tested by: Dell Inc.

Software Availability: Jun-2007



Hardware

CPU Name: Intel Core 2 Extreme X7900
 CPU Characteristics: 800 MHz Bus Speed
 CPU MHz: 2800
 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 (2x2 GB 667 MHz CL5 DDR2)
 Disk Subsystem: 1 x 120GB SATA 7200 RPM
 Other Hardware: None

Software

Operating System: Windows XP Professional x64 Edition SP2
 Compiler: Intel C++ Compiler for IA-32, Version 10.0
 Build 20070426 Package ID: W_CC_P_10.0.025
 Microsoft Visual Studio 2005 SP1
 Auto Parallel: No
 File System: NTFS
 System State: --
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: MicroQuill SmartHeap Library 8.0



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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	<u>491</u>	<u>19.9</u>	491	19.9	491	19.9	430	22.7	429	22.8	<u>430</u>	<u>22.7</u>
401.bzip2	674	14.3	674	14.3	<u>674</u>	<u>14.3</u>	<u>652</u>	<u>14.8</u>	651	14.8	653	14.8
403.gcc	652	12.3	653	12.3	<u>653</u>	<u>12.3</u>	<u>565</u>	<u>14.3</u>	564	14.3	565	14.3
429.mcf	<u>390</u>	<u>23.4</u>	390	23.4	390	23.4	<u>390</u>	<u>23.4</u>	390	23.4	390	23.4
445.gobmk	576	18.2	<u>576</u>	<u>18.2</u>	575	18.2	<u>517</u>	<u>20.3</u>	516	20.3	517	20.3
456.hammer	641	14.6	641	14.5	<u>641</u>	<u>14.5</u>	632	14.8	633	14.7	<u>632</u>	<u>14.8</u>
458.sjeng	743	16.3	<u>743</u>	<u>16.3</u>	744	16.3	650	18.6	<u>650</u>	<u>18.6</u>	650	18.6
462.libquantum	867	23.9	867	23.9	<u>867</u>	<u>23.9</u>	747	27.8	748	27.7	<u>747</u>	<u>27.7</u>
464.h264ref	781	28.3	781	28.4	<u>781</u>	<u>28.3</u>	<u>736</u>	<u>30.1</u>	737	30.0	735	30.1
471.omnetpp	448	14.0	448	13.9	<u>448</u>	<u>14.0</u>	406	15.4	<u>406</u>	<u>15.4</u>	407	15.3
473.astar	<u>514</u>	<u>13.6</u>	514	13.6	515	13.6	474	14.8	<u>475</u>	<u>14.8</u>	475	14.8
483.xalancbmk	348	19.8	<u>348</u>	<u>19.8</u>	348	19.8	330	20.9	<u>331</u>	<u>20.8</u>	331	20.8

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

General Notes

Binaries were built on Windows Vista Ultimate (64-bit)

Compiler Invocation

C benchmarks:
icl -Qstd=c99

C++ benchmarks:
icl

Portability Flags

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

Base Optimization Flags

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

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



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Peak Optimization Flags

C benchmarks:

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

401.bzip2: ONESTEP -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

403.gcc: ONESTEP -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast
/F512000000 -link /FORCE:MULTIPLE

429.mcf: basepeak = yes

445.gobmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxT -O2 -Qipo
-Qprec-div- -Qansi-alias /F512000000
-link /FORCE:MULTIPLE

456.hmmmer: ONESTEP -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast
-Qunroll12 -Qansi-alias /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

458.sjeng: ONESTEP -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast
-Qunroll14 /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

462.libquantum: ONESTEP -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast
-Qunroll14 -Ob0 -Qprefetch -Qopt-streaming-stores:always
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

464.h264ref: Same as 456.hmmmer

C++ benchmarks:

ONESTEP -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-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/dell.ic10.windows.flags.html>



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

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

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