



SPEC® CINT2006 Result

Copyright 2006-2009 Standard Performance Evaluation Corporation

Dell Inc.

SPECint®2006 = 20.1

Dell Precision 390 (Intel QX6800, 2.93 GHz)

SPECint_base2006 = 18.4

CPU2006 license: 55

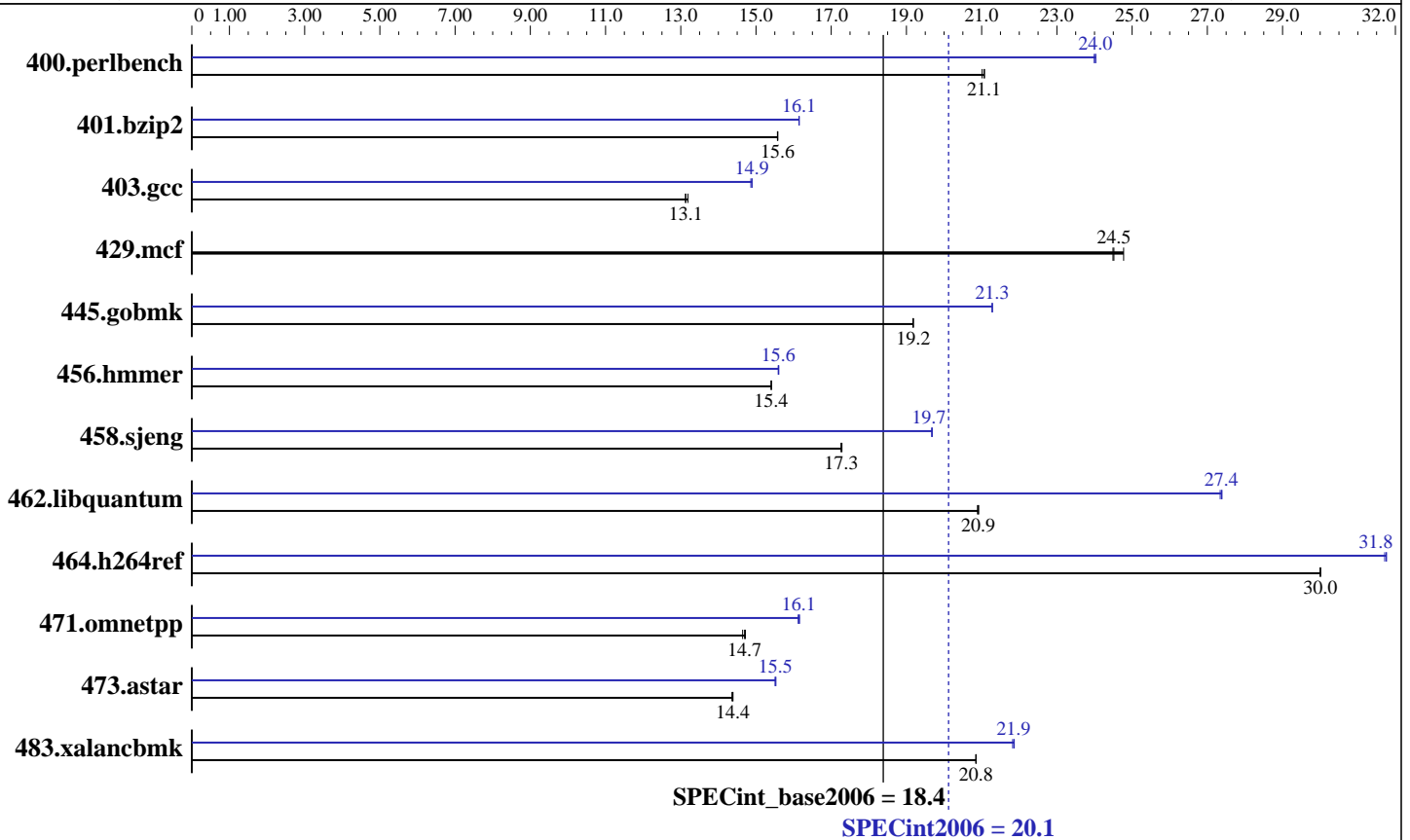
Test date: Aug-2007

Test sponsor: Dell Inc.

Hardware Availability: Sep-2007

Tested by: Dell Inc.

Software Availability: Jun-2007



Hardware

CPU Name: Intel Core 2 Extreme QX6800
 CPU Characteristics: 1066 MHz Bus Speed
 CPU MHz: 2933
 FPU: Integrated
 CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip
 CPU(s) orderable: 1 chip
 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: 8 GB (4x2 GB 667 MHz ECC CL5 DDR2)
 Disk Subsystem: 1 x 80 GB 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: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: MicroQuill SmartHeap Library 8.0



SPEC CINT2006 Result

Copyright 2006-2009 Standard Performance Evaluation Corporation

Dell Inc.

SPECint2006 = 20.1

Dell Precision 390 (Intel QX6800, 2.93 GHz)

SPECint_base2006 = 18.4

CPU2006 license: 55
Test sponsor: Dell Inc.
Tested by: Dell Inc.

Test date: Aug-2007
Hardware Availability: Sep-2007
Software Availability: Jun-2007

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	465	21.0	464	21.1	464	21.1	407	24.0	407	24.0	407	24.0
401.bzip2	620	15.6	620	15.6	619	15.6	598	16.1	598	16.1	598	16.1
403.gcc	610	13.2	613	13.1	613	13.1	541	14.9	542	14.9	541	14.9
429.mcf	368	24.8	372	24.5	372	24.5	368	24.8	372	24.5	372	24.5
445.gobmk	547	19.2	547	19.2	547	19.2	493	21.3	493	21.3	493	21.3
456.hammer	606	15.4	606	15.4	606	15.4	598	15.6	598	15.6	598	15.6
458.sjeng	701	17.3	701	17.3	700	17.3	615	19.7	615	19.7	615	19.7
462.libquantum	992	20.9	990	20.9	991	20.9	757	27.4	758	27.3	757	27.4
464.h264ref	738	30.0	738	30.0	737	30.0	698	31.7	697	31.8	697	31.8
471.omnetpp	425	14.7	427	14.6	425	14.7	388	16.1	387	16.2	387	16.1
473.astar	488	14.4	489	14.4	488	14.4	452	15.5	453	15.5	453	15.5
483.xalancbmk	331	20.8	331	20.9	331	20.8	316	21.8	316	21.9	316	21.9

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



SPEC CINT2006 Result

Copyright 2006-2009 Standard Performance Evaluation Corporation

Dell Inc.

SPECint2006 = 20.1

Dell Precision 390 (Intel QX6800, 2.93 GHz)

SPECint_base2006 = 18.4

CPU2006 license: 55
Test sponsor: Dell Inc.
Tested by: Dell Inc.

Test date: Aug-2007
Hardware Availability: Sep-2007
Software Availability: Jun-2007

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>



SPEC CINT2006 Result

Copyright 2006-2009 Standard Performance Evaluation Corporation

Dell Inc.

SPECint2006 = 20.1

Dell Precision 390 (Intel QX6800, 2.93 GHz)

SPECint_base2006 = 18.4

CPU2006 license: 55

Test sponsor: Dell Inc.

Tested by: Dell Inc.

Test date: Aug-2007

Hardware Availability: Sep-2007

Software Availability: Jun-2007

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

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

SPEC and SPECint are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

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

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 14 18:42:43 2009 by SPEC CPU2006 PS/PDF formatter v6323.