



SPEC® CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

SPECint®2006 = 21.8

Dell Precision T3400 (Intel QX6850, 3.00 GHz)

SPECint_base2006 = 20.0

CPU2006 license: 55

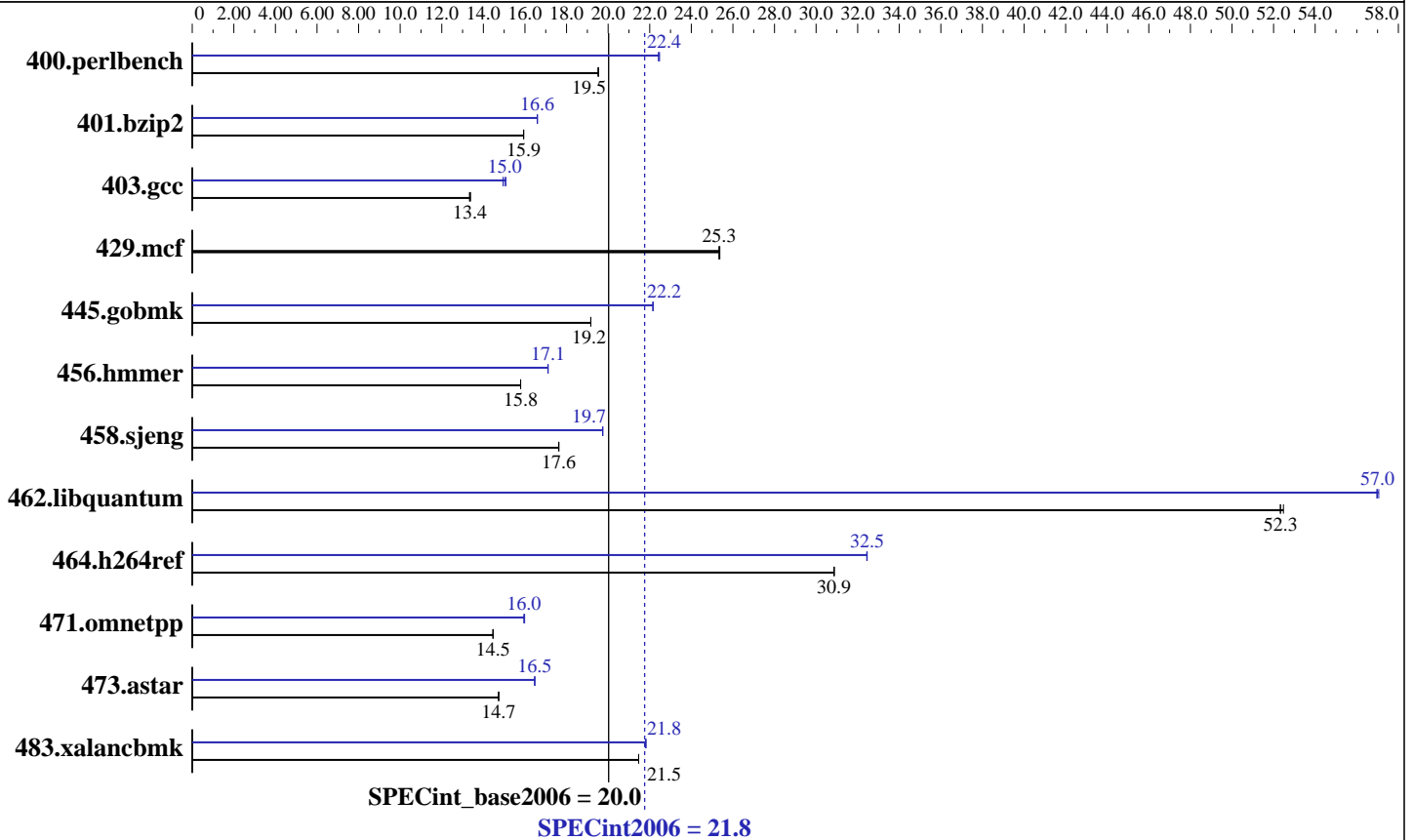
Test date: Dec-2007

Test sponsor: Dell Inc.

Hardware Availability: Oct-2007

Tested by: Dell Inc.

Software Availability: Nov-2007



Hardware

CPU Name: Intel Core 2 Extreme QX6850
 CPU Characteristics: 1333 MHz Bus Speed
 CPU MHz: 3000
 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 800 MHz ECC CL6 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 10.1
 Build 20070913 Package ID: w_cc_p_10.1.011
 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 8.0



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

SPECint2006 = 21.8

Dell Precision T3400 (Intel QX6850, 3.00 GHz)

SPECint_base2006 = 20.0

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

Test date: Dec-2007
Hardware Availability: Oct-2007
Software Availability: Nov-2007

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	501	19.5	500	19.5	500	19.5	436	22.4	436	22.4	435	22.5
401.bzip2	606	15.9	606	15.9	606	15.9	582	16.6	582	16.6	581	16.6
403.gcc	602	13.4	603	13.4	604	13.3	534	15.1	536	15.0	539	14.9
429.mcf	360	25.3	359	25.4	360	25.3	360	25.3	359	25.4	360	25.3
445.gobmk	547	19.2	547	19.2	547	19.2	474	22.2	473	22.2	473	22.2
456.hammer	591	15.8	591	15.8	591	15.8	545	17.1	545	17.1	545	17.1
458.sjeng	686	17.6	687	17.6	687	17.6	613	19.7	613	19.7	613	19.7
462.libquantum	395	52.5	396	52.3	396	52.3	364	57.0	363	57.1	364	57.0
464.h264ref	717	30.9	717	30.9	717	30.9	682	32.5	682	32.5	682	32.4
471.omnetpp	432	14.5	432	14.5	432	14.5	392	15.9	391	16.0	392	16.0
473.astar	476	14.7	476	14.7	476	14.7	426	16.5	426	16.5	426	16.5
483.xalancbmk	321	21.5	321	21.5	321	21.5	316	21.8	316	21.8	316	21.8

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)

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 -Qparallel -Qpar-runtime-control -Qvec-guard-write /F512000000
shlw32mt.lib libguide40.lib -link /FORCE:MULTIPLE

Continued on next page



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

SPECint2006 = 21.8

Dell Precision T3400 (Intel QX6850, 3.00 GHz)

SPECint_base2006 = 20.0

CPU2006 license: 55

Test date: Dec-2007

Test sponsor: Dell Inc.

Hardware Availability: Oct-2007

Tested by: Dell Inc.

Software Availability: Nov-2007

Base Optimization Flags (Continued)

C++ benchmarks:

```
-fast -Qcxx_features /F512000000 shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE
```

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 -Qparallel -Qpar-runtime-control /F512000000
shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE
```

```
401.bzip2: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qprefetch
/F512000000 shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE
```

```
403.gcc: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE
```

Continued on next page



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

SPECint2006 = 21.8

Dell Precision T3400 (Intel QX6850, 3.00 GHz)

SPECint_base2006 = 20.0

CPU2006 license: 55

Test date: Dec-2007

Test sponsor: Dell Inc.

Hardware Availability: Oct-2007

Tested by: Dell Inc.

Software Availability: Nov-2007

Peak Optimization Flags (Continued)

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.hmmcr: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2
-Qansi-alias -Qopt-multi-version-aggressive /F512000000
shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE

458.sjeng: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll4
/F512000000 shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE

462.libquantum: -fast -Qunroll4 -Ob0 -Qprefetch
-Qopt-streaming-stores:always -Qparallel
-Qpar-runtime-control /F512000000 shlw32mt.lib
libguide40.lib -link /FORCE:MULTIPLE

464.h264ref: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2
-Qansi-alias /F512000000 shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE

C++ benchmarks:

471.omnetpp: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qopt-ra-region-strategy=block -Qcxx_features /F512000000
shlw32mt.lib libguide40.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
shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE

483.xalancbmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qcxx_features /F512000000 shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE

Peak Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

SPECint2006 = 21.8

Dell Precision T3400 (Intel QX6850, 3.00 GHz)

SPECint_base2006 = 20.0

CPU2006 license: 55

Test date: Dec-2007

Test sponsor: Dell Inc.

Hardware Availability: Oct-2007

Tested by: Dell Inc.

Software Availability: Nov-2007

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.20090714.01.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.20090714.01.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 22 15:03:03 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 26 December 2007.