



SPEC® CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

SPECint®2006 = 27.1

Dell Precision T7400 (Intel Xeon X5482, 3.20 GHz)

SPECint_base2006 = 24.6

CPU2006 license: 55

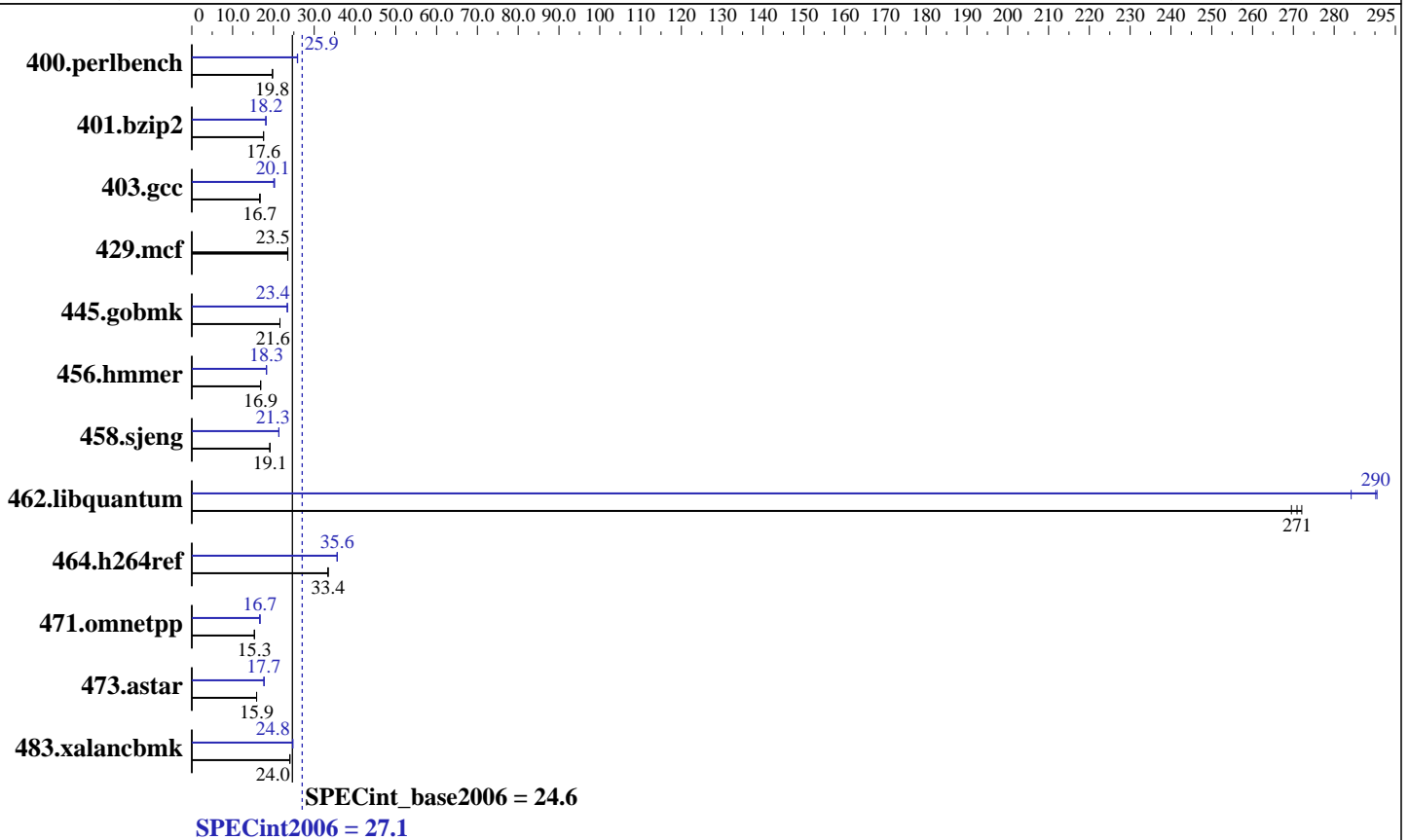
Test date: Apr-2008

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



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

SPECint2006 = 27.1

Dell Precision T7400 (Intel Xeon X5482, 3.20 GHz)

SPECint_base2006 = 24.6

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

Test date: Apr-2008
Hardware Availability: Jan-2008
Software Availability: Mar-2008

Results Table

| Benchmark | Base | | | | | | Peak | | | | | |
|----------------|-------------|-------------|------------|-------------|------------|-------------|-------------|-------------|------------|-------------|------------|-------------|
| | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio |
| 400.perlbench | 494 | 19.8 | 495 | 19.8 | 494 | 19.8 | 377 | 25.9 | 378 | 25.9 | 377 | 25.9 |
| 401.bzip2 | 549 | 17.6 | 549 | 17.6 | 549 | 17.6 | 531 | 18.2 | 531 | 18.2 | 531 | 18.2 |
| 403.gcc | 482 | 16.7 | 483 | 16.7 | 483 | 16.7 | 400 | 20.1 | 397 | 20.3 | 400 | 20.1 |
| 429.mcf | 388 | 23.5 | 387 | 23.5 | 388 | 23.5 | 388 | 23.5 | 387 | 23.5 | 388 | 23.5 |
| 445.gobmk | 486 | 21.6 | 486 | 21.6 | 486 | 21.6 | 448 | 23.4 | 448 | 23.4 | 448 | 23.4 |
| 456.hammer | 553 | 16.9 | 553 | 16.9 | 553 | 16.9 | 510 | 18.3 | 510 | 18.3 | 510 | 18.3 |
| 458.sjeng | 632 | 19.1 | 632 | 19.1 | 632 | 19.1 | 567 | 21.3 | 567 | 21.3 | 567 | 21.3 |
| 462.libquantum | 76.5 | 271 | 76.2 | 272 | 76.9 | 270 | 71.4 | 290 | 72.9 | 284 | 71.3 | 291 |
| 464.h264ref | 662 | 33.4 | 664 | 33.3 | 662 | 33.4 | 621 | 35.6 | 621 | 35.6 | 621 | 35.6 |
| 471.omnetpp | 408 | 15.3 | 407 | 15.3 | 407 | 15.4 | 375 | 16.7 | 374 | 16.7 | 374 | 16.7 |
| 473.astar | 442 | 15.9 | 442 | 15.9 | 442 | 15.9 | 397 | 17.7 | 396 | 17.7 | 397 | 17.7 |
| 483.xalancbmk | 287 | 24.0 | 287 | 24.0 | 287 | 24.0 | 279 | 24.8 | 279 | 24.7 | 279 | 24.8 |

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 -Qparallel -Qpar-runtime-control -Qvec-guard-write /F512000000
libguide40.lib

C++ benchmarks:
-fast -Qcxx_features /F512000000 shlw32m.lib libguide40.lib
-link /FORCE:MULTIPLE



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

SPECint2006 = 27.1

Dell Precision T7400 (Intel Xeon X5482, 3.20 GHz)

SPECint_base2006 = 24.6

CPU2006 license: 55

Test date: Apr-2008

Test sponsor: Dell Inc.

Hardware Availability: Jan-2008

Tested by: Dell Inc.

Software Availability: Mar-2008

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
shlw32m.lib libguide40.lib -link /FORCE:MULTIPLE

401.bzip2: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qprefetch
/F512000000 libguide40.lib

403.gcc: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
libguide40.lib

429.mcf: basepeak = yes

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
libguide40.lib

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

Continued on next page



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

SPECint2006 = 27.1

Dell Precision T7400 (Intel Xeon X5482, 3.20 GHz)

SPECint_base2006 = 24.6

CPU2006 license: 55

Test date: Apr-2008

Test sponsor: Dell Inc.

Hardware Availability: Jan-2008

Tested by: Dell Inc.

Software Availability: Mar-2008

Peak Optimization Flags (Continued)

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

464.h264ref: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll12
-Qansi-alias /F512000000 libguide40.lib

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 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
shlw32m.lib libguide40.lib -link /FORCE:MULTIPLE

483.xalancbmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qcxx_features /F512000000 shlw32m.lib libguide40.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>

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 17:19:04 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 13 May 2008.