



SPEC® CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

Dell Precision 690 (Intel Xeon 5160, 3.00 GHz)

SPECint®_rate2006 = 54.9

SPECint_rate_base2006 = 53.2

CPU2006 license: 55

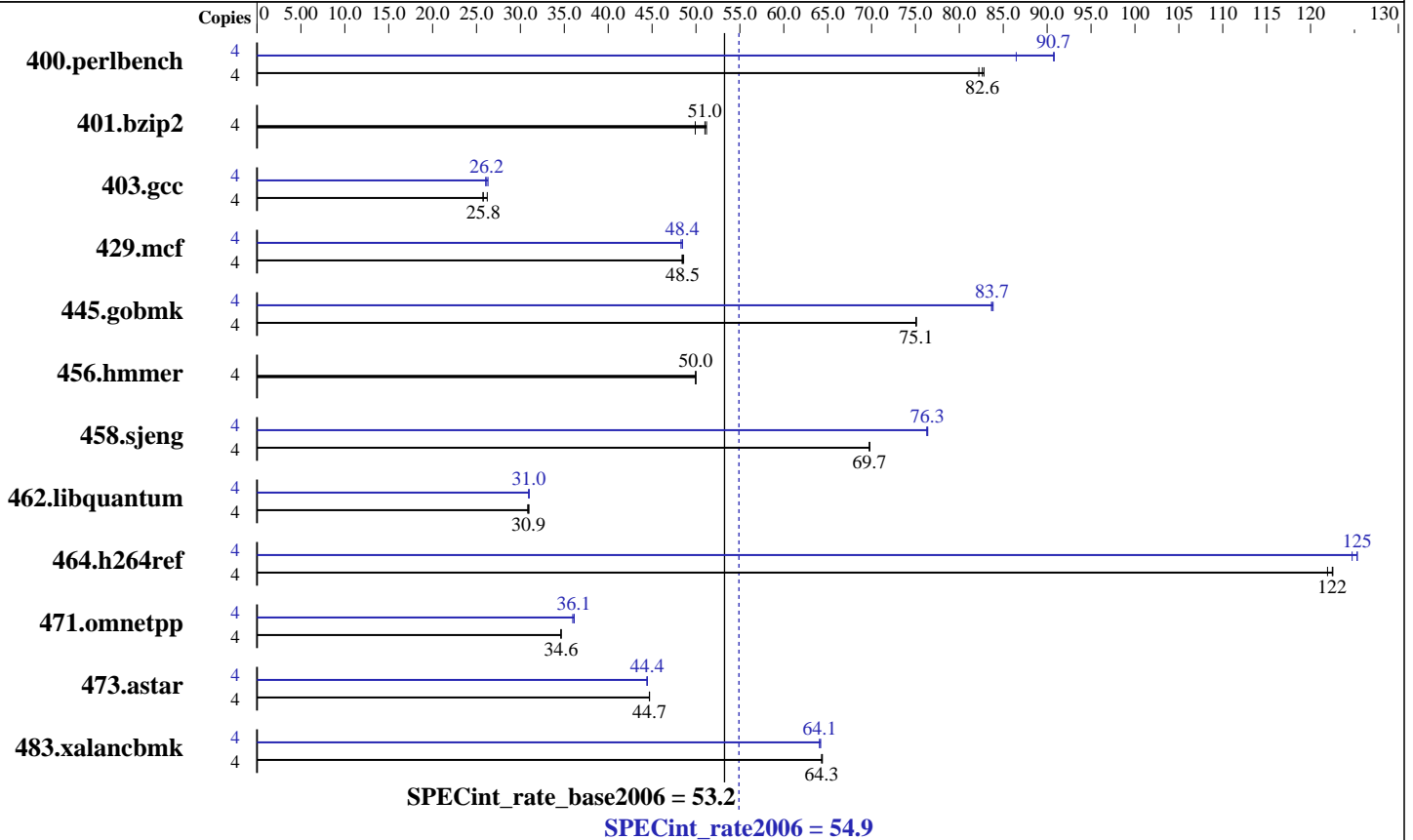
Test sponsor: Dell Inc.

Tested by: Dell Inc.

Test date: Jan-2007

Hardware Availability: May-2006

Software Availability: Jan-2007



Hardware

CPU Name: Intel Xeon 5160
 CPU Characteristics: 1333 MHz Bus Speed
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2 chips
 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: 8 GB (8x1 GB 667 MHz ECC CL5 DDR2 FB-DIMM)
 Disk Subsystem: 1 x 72 GB SAS 10K RPM
 Other Hardware: None

Software

Operating System: Windows XP Professional x64 Edition
 Compiler: Intel C++ Compiler 9.1 for IA32 (20061103Z)
 Microsoft Visual Studio 2005
 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 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

Dell Precision 690 (Intel Xeon 5160, 3.00 GHz)

SPECint_rate2006 = 54.9

SPECint_rate_base2006 = 53.2

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

Test date: Jan-2007
Hardware Availability: May-2006
Software Availability: Jan-2007

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	4	475	82.2	473	82.6	472	82.8	4	452	86.5	431	90.7	430	90.8
401.bzip2	4	773	49.9	757	51.0	754	51.2	4	773	49.9	757	51.0	754	51.2
403.gcc	4	1251	25.7	1250	25.8	1228	26.2	4	1237	26.0	1231	26.2	1224	26.3
429.mcf	4	751	48.6	752	48.5	754	48.4	4	753	48.5	755	48.3	753	48.4
445.gobmk	4	559	75.0	559	75.1	559	75.1	4	502	83.7	501	83.7	500	83.8
456.hammer	4	747	50.0	747	50.0	747	50.0	4	747	50.0	747	50.0	747	50.0
458.sjeng	4	694	69.7	693	69.8	694	69.7	4	634	76.3	634	76.4	634	76.3
462.libquantum	4	2680	30.9	2688	30.8	2676	31.0	4	2675	31.0	2679	30.9	2674	31.0
464.h264ref	4	726	122	722	123	723	122	4	710	125	706	125	706	125
471.omnetpp	4	722	34.6	722	34.6	722	34.6	4	692	36.1	695	36.0	693	36.1
473.astar	4	628	44.7	628	44.7	628	44.7	4	632	44.4	632	44.5	632	44.4
483.xalancbmk	4	429	64.3	429	64.3	429	64.4	4	431	64.1	431	64.1	430	64.2

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

General Notes

BIOS Settings

Adjacent Cache Line Prefetch set to ON
Prefetch data in order to shorten execution cycles
and maximize data processing efficiency.

32-bit binaries were built on Windows XP Professional x64 Edition

Base Compiler Invocation

C benchmarks:
icl -Qc99

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



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

Dell Precision 690 (Intel Xeon 5160, 3.00 GHz)

SPECint_rate2006 = 54.9

SPECint_rate_base2006 = 53.2

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

Test date: Jan-2007
Hardware Availability: May-2006
Software Availability: Jan-2007

Base Optimization Flags

C benchmarks:
-fast /F512000000 shlw32M.lib -link /FORCE:MULTIPLE

C++ benchmarks:
-fast -Qcxx_features /F512000000 shlw32M.lib
-link /FORCE:MULTIPLE

Base Other Flags

C benchmarks:
403.gcc: -Dalloca=_alloca

Peak Compiler Invocation

C benchmarks:
icl -Qc99

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: ONESTEP -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast
/F512000000 shlw32M.lib -link /FORCE:MULTIPLE

401.bzip2: basepeak = yes

403.gcc: Same as 400.perlbench

429.mcf: ONESTEP -fast /F512000000 shlw32M.lib
-link /FORCE:MULTIPLE

Continued on next page



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

Dell Precision 690 (Intel Xeon 5160, 3.00 GHz)

SPECint_rate2006 = 54.9

SPECint_rate_base2006 = 53.2

CPU2006 license: 55

Test sponsor: Dell Inc.

Tested by: Dell Inc.

Test date: Jan-2007

Hardware Availability: May-2006

Software Availability: Jan-2007

Peak Optimization Flags (Continued)

445.gobmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
shlW32M.lib -link /FORCE:MULTIPLE

456.hmmmer: basepeak = yes

458.sjeng: Same as 400.perlbench

462.libquantum: Same as 400.perlbench

464.h264ref: Same as 400.perlbench

C++ benchmarks:

471.omnetpp: ONESTEP -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast
-Qcxx_features /F512000000 shlW32M.lib
-link /FORCE:MULTIPLE

473.astar: Same as 471.omnetpp

483.xalancbmk: ONESTEP -fast -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.cpu2006.ic91.flags.20090715.html>

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

<http://www.spec.org/cpu2006/flags/dell.cpu2006.ic91.flags.20090715.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 10:28:32 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 20 February 2007.