



SPEC[®] CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

NTT System S. A.
NTT Business W 986G

SPECint[®]2006 = 26.5
SPECint_base2006 = 23.6

CPU2006 license: 9013

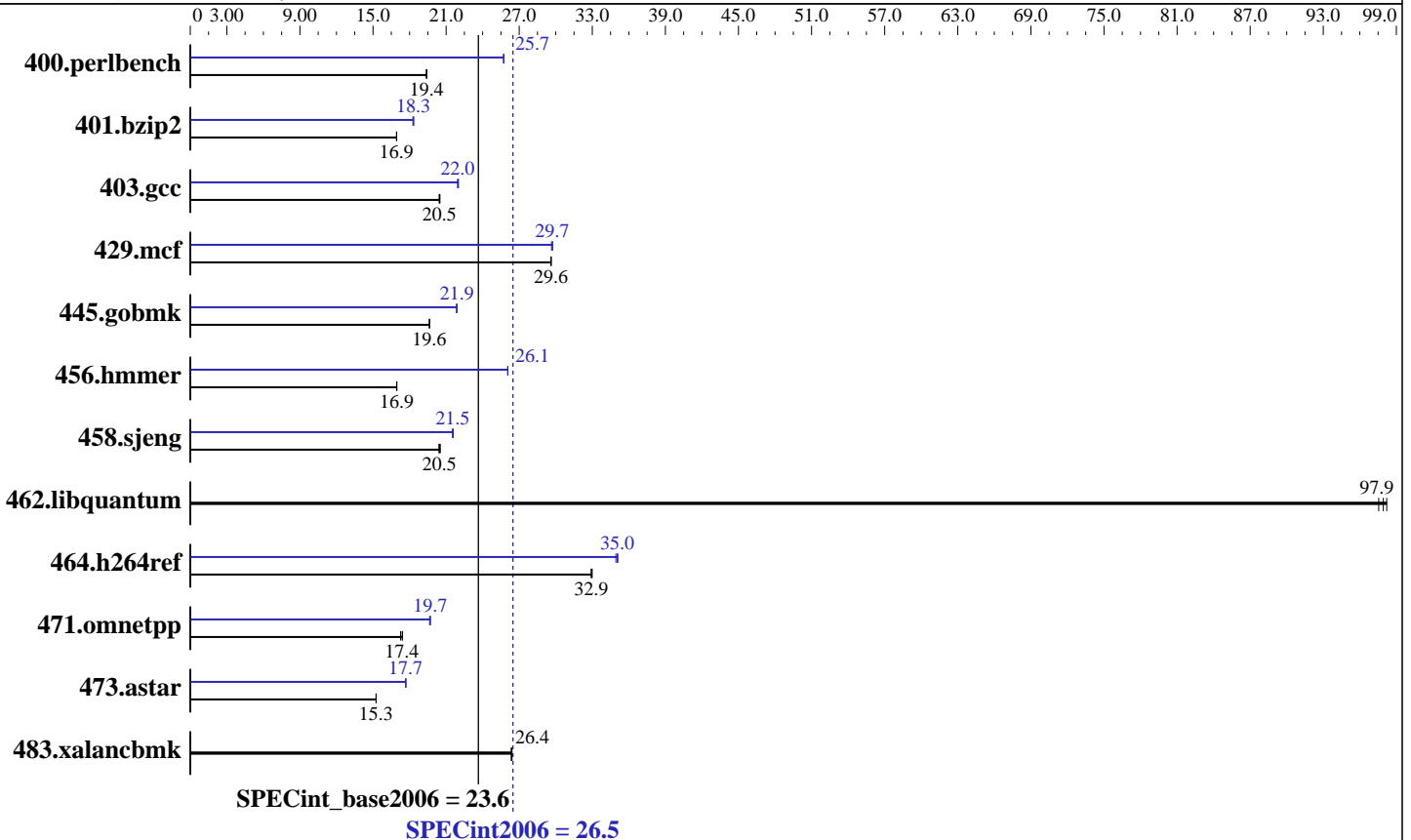
Test sponsor: NTT System S. A.

Tested by: NTT System S. A.

Test date: Nov-2008

Hardware Availability: Nov-2008

Software Availability: Nov-2008



Hardware

CPU Name: Intel Core 2 Duo E8400
 CPU Characteristics:
 CPU MHz: 3000
 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: 6 MB I+D on chip per chip
 L3 Cache: None
 Other Cache: None
 Memory: 2 GB (2x1GB)
 Disk Subsystem: 250 GB SATA, 7200RPM
 Other Hardware: None

Software

Operating System: SuSe Linux SLES10 SP1, Kernel 2.6.16.60-0.21-smp
 Compiler: Intel C++ Compiler 11.0 for Linux
 Build 20080930 Package ID: l_cproc_p_11.0.066
 Auto Parallel: Yes
 File System: ReiserFS
 System State: Run level 3 (multi-user)
 Base Pointers: 32-bit
 Peak Pointers: 32/64-bit
 Other Software: Microquill SmartHeap V8.1
 Binutils 2.18.50.0.7.20080502



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

NTT System S. A.

SPECint2006 = 26.5

NTT Business W 986G

SPECint_base2006 = 23.6

CPU2006 license: 9013

Test date: Nov-2008

Test sponsor: NTT System S. A.

Hardware Availability: Nov-2008

Tested by: NTT System S. A.

Software Availability: Nov-2008

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	503	19.4	504	19.4	<u>504</u>	<u>19.4</u>	379	25.7	380	25.7	<u>380</u>	<u>25.7</u>
401.bzip2	570	16.9	570	16.9	<u>570</u>	<u>16.9</u>	528	18.3	526	18.3	<u>527</u>	<u>18.3</u>
403.gcc	<u>393</u>	<u>20.5</u>	394	20.4	393	20.5	366	22.0	367	21.9	<u>367</u>	<u>22.0</u>
429.mcf	308	29.6	<u>308</u>	<u>29.6</u>	308	29.6	307	29.7	308	29.7	<u>307</u>	<u>29.7</u>
445.gobmk	534	19.6	<u>534</u>	<u>19.6</u>	534	19.6	<u>479</u>	<u>21.9</u>	479	21.9	480	21.9
456.hmmmer	550	17.0	551	16.9	<u>550</u>	<u>16.9</u>	<u>358</u>	<u>26.1</u>	358	26.1	358	26.1
458.sjeng	593	20.4	590	20.5	<u>591</u>	<u>20.5</u>	<u>562</u>	<u>21.5</u>	561	21.6	562	21.5
462.libquantum	<u>212</u>	<u>97.9</u>	212	97.6	211	98.2	<u>212</u>	<u>97.9</u>	212	97.6	211	98.2
464.h264ref	<u>672</u>	<u>32.9</u>	672	32.9	671	33.0	<u>631</u>	<u>35.0</u>	630	35.1	633	34.9
471.omnetpp	362	17.3	359	17.4	<u>359</u>	<u>17.4</u>	317	19.7	318	19.6	<u>317</u>	<u>19.7</u>
473.astar	460	15.2	<u>460</u>	<u>15.3</u>	460	15.3	397	17.7	397	17.7	<u>397</u>	<u>17.7</u>
483.xalancbmk	<u>262</u>	<u>26.4</u>	261	26.4	262	26.3	<u>262</u>	<u>26.4</u>	261	26.4	262	26.3

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

Base Compiler Invocation

C benchmarks:

icc

C++ benchmarks:

icpc

Base Portability Flags

400.perlbench: -DSPEC_CPU_LINUX_IA32

462.libquantum: -DSPEC_CPU_LINUX

483.xalancbmk: -DSPEC_CPU_LINUX

Base Optimization Flags

C benchmarks:

-xSSE4.1 -ipo -O3 -no-prec-div -static -parallel

-par-runtime-control -opt-prefetch

C++ benchmarks:

-xSSE4.1 -ipo -O3 -no-prec-div -opt-prefetch -Wl,-z,muldefs

-L/spec/cpu2006.1.1/lib -lsmartheap



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

NTT System S. A.
NTT Business W 986G

SPECint2006 = 26.5
SPECint_base2006 = 23.6

CPU2006 license: 9013
Test sponsor: NTT System S. A.
Tested by: NTT System S. A.

Test date: Nov-2008
Hardware Availability: Nov-2008
Software Availability: Nov-2008

Base Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

Peak Compiler Invocation

C benchmarks (except as noted below):

icc

401.bzip2: /opt/intel/Compiler/11.0/066/bin/intel64/icc

456.hmmmer: /opt/intel/Compiler/11.0/066/bin/intel64/icc

C++ benchmarks:

icpc

Peak Portability Flags

400.perlbench: -DSPEC_CPU_LINUX_IA32
401.bzip2: -DSPEC_CPU_LP64
456.hmmmer: -DSPEC_CPU_LP64
462.libquantum: -DSPEC_CPU_LINUX
483.xalancbmk: -DSPEC_CPU_LINUX

Peak Optimization Flags

C benchmarks:

400.perlbench: -prof-gen(pass 1) -prof-use(pass 2) -xSSE4.1 -ipo -O3
-no-prec-div -static -ansi-alias -opt-prefetch

401.bzip2: -prof-gen(pass 1) -prof-use(pass 2) -xSSE4.1 -ipo -O3
-no-prec-div -static -auto-ilp32 -opt-prefetch
-ansi-alias

403.gcc: -xSSE4.1 -ipo -O3 -no-prec-div -static -inline-alloc
-opt-malloc-options=3

429.mcf: -xSSE4.1 -ipo -O3 -no-prec-div -static -opt-prefetch

445.gobmk: -prof-gen(pass 1) -prof-use(pass 2) -xSSE4.1 -O2 -ipo
-no-prec-div -ansi-alias

Continued on next page



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

NTT System S. A. NTT Business W 986G	SPECint2006 =	26.5
	SPECint_base2006 =	23.6

CPU2006 license: 9013	Test date: Nov-2008
Test sponsor: NTT System S. A.	Hardware Availability: Nov-2008
Tested by: NTT System S. A.	Software Availability: Nov-2008

Peak Optimization Flags (Continued)

456.hmmcr: -xSSE4.1 -ipo -O3 -no-prec-div -static -unroll2
-ansi-alias -auto-ilp32

458.sjeng: -prof-gen(pass 1) -prof-use(pass 2) -xSSE4.1 -ipo -O3
-no-prec-div -static -unroll4

462.libquantum: basepeak = yes

464.h264ref: -prof-gen(pass 1) -prof-use(pass 2) -xSSE4.1 -ipo -O3
-no-prec-div -static -unroll2 -ansi-alias

C++ benchmarks:

471.omnetpp: -prof-gen(pass 1) -prof-use(pass 2) -xSSE4.1 -ipo -O3
-no-prec-div -ansi-alias -opt-ra-region-strategy=block
-Wl,-z,muldefs -L/spec/cpu2006.1.1/lib -lsmartheap

473.astar: -prof-gen(pass 1) -prof-use(pass 2) -xSSE4.1 -ipo -O3
-no-prec-div -ansi-alias -opt-ra-region-strategy=routine
-Wl,-z,muldefs -L/spec/cpu2006.1.1/lib -lsmartheap

483.xalancbmk: basepeak = yes

Peak Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

The flags files that were used to format this result can be browsed at

<http://www.spec.org/cpu2006/flags/Intel-Linux64-Platform.20090710.html>

<http://www.spec.org/cpu2006/flags/Intel-ic11.0-int-linux64-revA.20090710.01.html>

You can also download the XML flags sources by saving the following links:

<http://www.spec.org/cpu2006/flags/Intel-Linux64-Platform.20090710.xml>

<http://www.spec.org/cpu2006/flags/Intel-ic11.0-int-linux64-revA.20090710.01.xml>



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

NTT System S. A. NTT Business W 986G	SPECint2006 =	26.5
	SPECint_base2006 =	23.6

CPU2006 license: 9013	Test date: Nov-2008
Test sponsor: NTT System S. A.	Hardware Availability: Nov-2008
Tested by: NTT System S. A.	Software Availability: Nov-2008

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 v1.1.
Report generated on Tue Jul 22 22:47:01 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 12 January 2009.