



SPEC® CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Itaotec

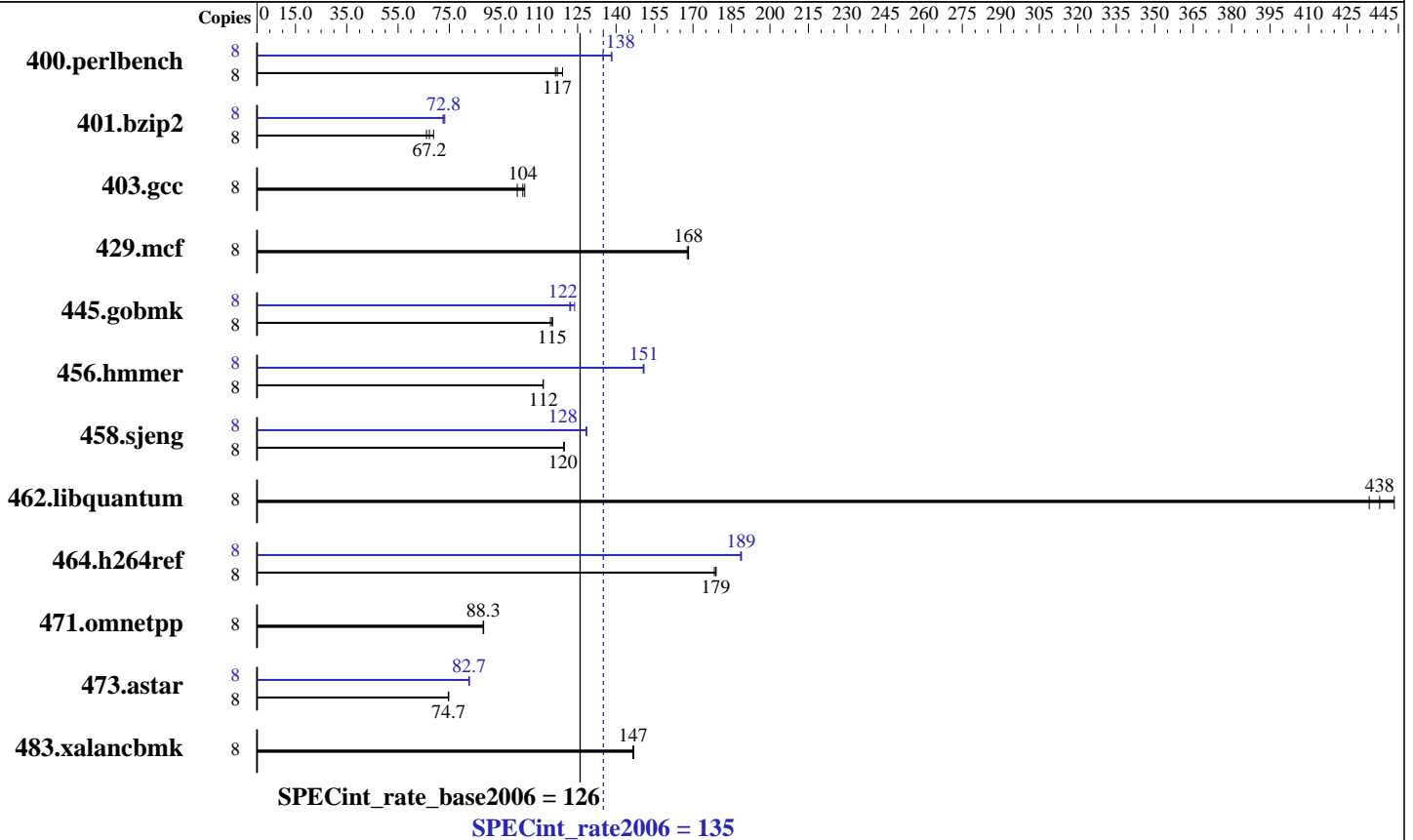
SPECint®_rate2006 = 135

Servidor Itaotec MX203 (Intel Xeon E5504)

SPECint_rate_base2006 = 126

CPU2006 license: 9001
Test sponsor: Itaotec
Tested by: Itaotec

Test date: Jul-2009
Hardware Availability: Mar-2009
Software Availability: Feb-2009



Hardware

CPU Name: Intel Xeon E5504
 CPU Characteristics: 2000
 CPU MHz: Integrated
 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: 256 KB I+D on chip per core
 L3 Cache: 4 MB I+D on chip per chip
 Other Cache: None
 Memory: 12 GB (6 x 2GB DDR3-1333, CL 9, ECC, running at 800 MHz)
 Disk Subsystem: 1 x 160 GB SATA-2, 7200RPM
 Other Hardware: None

Software

Operating System: SUSE Linux Enterprise Server 10 (x86_64) SP2 with patch Linux kernel 20090119, Kernel 2.6.16.60-0.34-smp
 Compiler: Intel C++ Compiler 11.0 for Linux Build 20090131 Package ID: l_cproc_p_11.0.081
 Auto Parallel: No
 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

Itaotec

SPECint_rate2006 = 135

Servidor Itaotec MX203 (Intel Xeon E5504)

SPECint_rate_base2006 = 126

CPU2006 license: 9001
Test sponsor: Itaotec
Tested by: Itaotec

Test date: Jul-2009
Hardware Availability: Mar-2009
Software Availability: Feb-2009

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	8	668	117	672	116	656	119	8	579	135	565	138	565	138
401.bzip2	8	1148	67.2	1121	68.8	1168	66.1	8	1060	72.8	1054	73.2	1064	72.5
403.gcc	8	617	104	635	101	621	104	8	617	104	635	101	621	104
429.mcf	8	434	168	435	168	434	168	8	434	168	435	168	434	168
445.gobmk	8	728	115	734	114	729	115	8	678	124	688	122	686	122
456.hammer	8	669	111	669	112	669	112	8	496	151	495	151	495	151
458.sjeng	8	809	120	808	120	809	120	8	753	129	754	128	754	128
462.libquantum	8	374	443	382	434	379	438	8	374	443	382	434	379	438
464.h264ref	8	993	178	989	179	990	179	8	939	189	937	189	938	189
471.omnetpp	8	567	88.2	566	88.3	566	88.4	8	567	88.2	566	88.3	566	88.4
473.astar	8	753	74.6	752	74.7	752	74.7	8	679	82.7	680	82.6	678	82.8
483.xalancbmk	8	376	147	377	147	376	147	8	376	147	377	147	376	147

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

Submit Notes

The config file option 'submit' was used.
numactl was used to bind copies to the cores

General Notes

This result was measured on the Servidor Itaotec MX203.
The Servidor Itaotec MX203 and the Servidor Itaotec MX223 are electronically equivalent.

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



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Itaotec

SPECint_rate2006 = 135

Servidor Itaotec MX203 (Intel Xeon E5504)

SPECint_rate_base2006 = 126

CPU2006 license: 9001
Test sponsor: Itaotec
Tested by: Itaotec

Test date: Jul-2009
Hardware Availability: Mar-2009
Software Availability: Feb-2009

Base Optimization Flags

C benchmarks:

-xSSE4.2 -ipo -O3 -no-prec-div -static -inline-calloc
-opt-malloc-options=3 -opt-prefetch

C++ benchmarks:

-xSSE4.2 -ipo -O3 -no-prec-div -opt-prefetch -Wl,-z,muldefs
-L/opt/sh/SmartHeap_8.1/lib -lsmartheap

Base Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

Peak Compiler Invocation

C benchmarks (except as noted below):

icc

401.bzip2: /opt/intel/Compiler/11.0/081/bin/intel64/icc

456.hmmer: /opt/intel/Compiler/11.0/081/bin/intel64/icc

458.sjeng: /opt/intel/Compiler/11.0/081/bin/intel64/icc

C++ benchmarks (except as noted below):

icpc

473.astar: /opt/intel/Compiler/11.0/081/bin/intel64/icpc

Peak Portability Flags

400.perlbench: -DSPEC_CPU_LINUX_IA32
401.bzip2: -DSPEC_CPU_LP64
456.hmmer: -DSPEC_CPU_LP64
458.sjeng: -DSPEC_CPU_LP64
462.libquantum: -DSPEC_CPU_LINUX
473.astar: -DSPEC_CPU_LP64
483.xalancbmk: -DSPEC_CPU_LINUX



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Itaotec

SPECint_rate2006 = 135

Servidor Itaotec MX203 (Intel Xeon E5504)

SPECint_rate_base2006 = 126

CPU2006 license: 9001
Test sponsor: Itaotec
Tested by: Itaotec

Test date: Jul-2009
Hardware Availability: Mar-2009
Software Availability: Feb-2009

Peak Optimization Flags

C benchmarks:

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

401.bzp2: -xSSE4.2(pass 2) -prof-gen(pass 1) -ipo(pass 2)
-O3(pass 2) -no-prec-div(pass 2) -static(pass 2)
-prof-use(pass 2) -opt-prefetch -ansi-alias -auto-ilp32

403.gcc: basepeak = yes

429.mcf: basepeak = yes

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

456.hmmer: -xSSE4.2 -ipo -O3 -no-prec-div -static -unroll2
-ansi-alias -auto-ilp32

458.sjeng: -xSSE4.2(pass 2) -prof-gen(pass 1) -ipo(pass 2)
-O3(pass 2) -no-prec-div(pass 2) -static(pass 2)
-prof-use(pass 2) -unroll4 -auto-ilp32

462.libquantum: basepeak = yes

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

C++ benchmarks:

471.omnetpp: basepeak = yes

473.astar: -xSSE4.2(pass 2) -prof-gen(pass 1) -ipo(pass 2)
-O3(pass 2) -no-prec-div(pass 2) -prof-use(pass 2)
-ansi-alias -opt-ra-region-strategy=routine -auto-ilp32
-Wl,-z,muldefs -L/opt/sh/SmartHeap_8.1/lib -lsmarheap64

483.xalancbmk: basepeak = yes

Peak Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Itautec

SPECint_rate2006 = 135

Servidor Itautec MX203 (Intel Xeon E5504)

SPECint_rate_base2006 = 126

CPU2006 license: 9001

Test date: Jul-2009

Test sponsor: Itautec

Hardware Availability: Mar-2009

Tested by: Itautec

Software Availability: Feb-2009

The flags file that was used to format this result can be browsed at

<http://www.spec.org/cpu2006/flags/Intel-ic11.0-int-linux64-revA.20090710.html>

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

<http://www.spec.org/cpu2006/flags/Intel-ic11.0-int-linux64-revA.20090710.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 v1.1.
Report generated on Wed Jul 23 02:40:45 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 21 July 2009.