SPEC® CINT2006 Result

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IBM Corporation

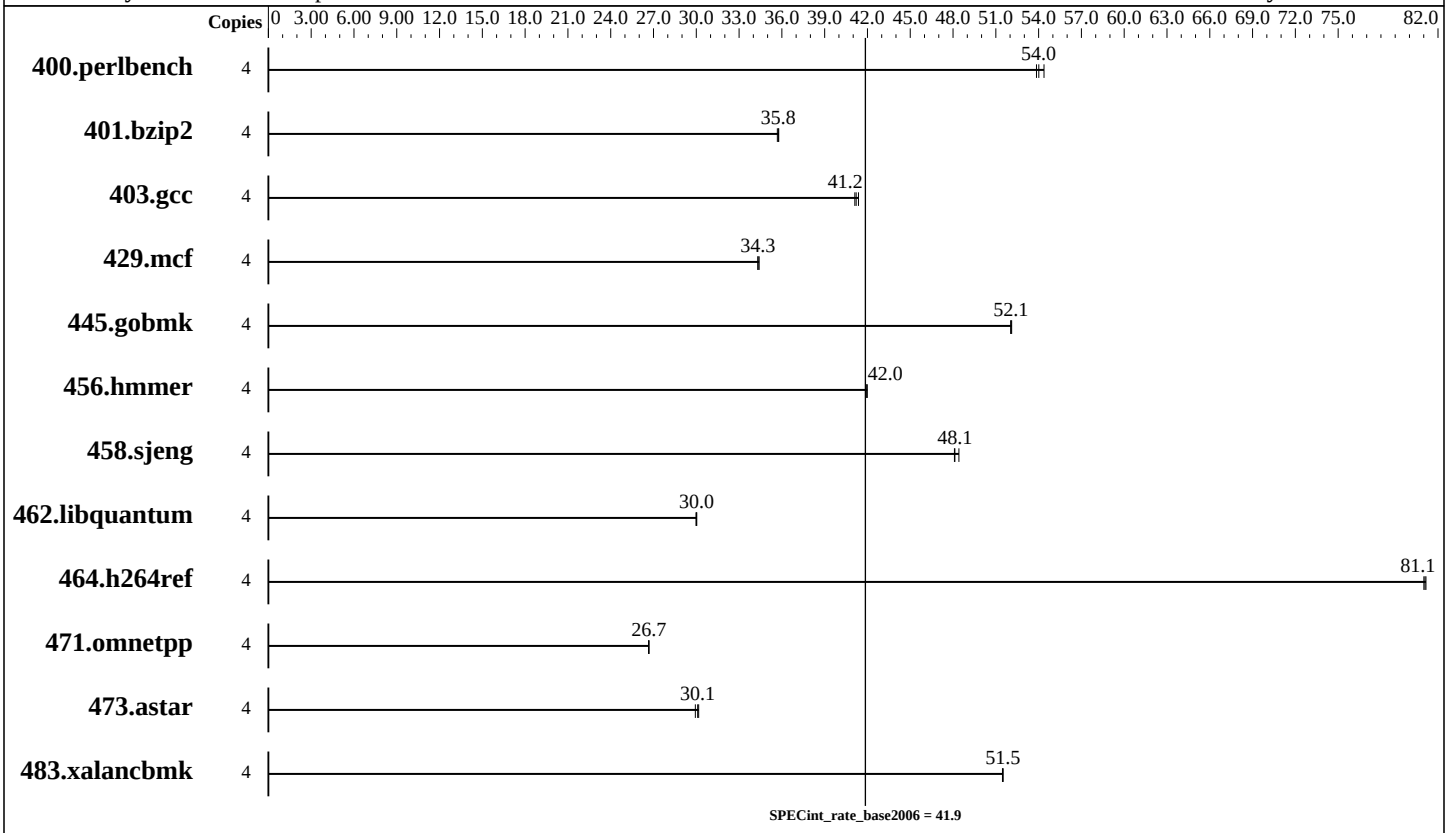
IBM System x3400 (Intel Xeon E5335)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 41.9

CPU2006 license: 11
Test sponsor: IBM Corporation
Tested by: IBM Corporation

Test date: Sep-2007
Hardware Availability: Feb-2007
Software Availability: Nov-2007



Hardware

CPU Name:	Intel Xeon E5335
CPU Characteristics:	1333MHz system bus
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	4 cores, 1 chip, 4 cores/chip
CPU(s) orderable:	1,2 chips
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:	16 GB (8 x 2 GB DDR2-5300F ECC)
Disk Subsystem:	1 x 146 GB SAS, 15000 RPM
Other Hardware:	None

Software

Operating System:	SLES 10 (x86_64), 2.6.16.21-0.8-smp
Compiler:	Intel C++ Compiler for Linux version 10.1 Build 20070824
Auto Parallel:	No
File System:	ReiserFS
System State:	Multi-user, run level 3
Base Pointers:	32-bit
Peak Pointers:	Not Applicable
Other Software:	MicroQuill SmartHeap 8.1

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	4	719	54.4	**724**	**54.0**	726	53.9							
401.bzip2	4	1082	35.7	**1080**	**35.8**	1079	35.8							
403.gcc	4	**781**	**41.2**	783	41.1	778	41.4							
429.mcf	4	1060	34.4	**1062**	**34.3**	1063	34.3							
445.gobmk	4	806	52.0	**806**	**52.1**	805	52.1							
456.hmmer	4	889	42.0	**889**	**42.0**	891	41.9							
458.sjeng	4	**1006**	**48.1**	1006	48.1	1000	48.4							
462.libquantum	4	2765	30.0	**2761**	**30.0**	2760	30.0							
464.h264ref	4	1091	81.2	**1092**	**81.1**	1093	81.0							
471.omnetpp	4	937	26.7	938	26.7	**937**	**26.7**							
473.astar	4	938	29.9	931	30.2	**933**	**30.1**							
483.xalancbmk	4	536	51.5	**536**	**51.5**	536	51.5							

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:
-fast -inline-calloc -opt-malloc-options=3

C++ benchmarks:
-xT -ipo -O3 -no-prec-div -Wl,-z,muldefs
-L/home/cmplr/usr3/alrahate/cpu2006.1.0/lib -lsmartheap

Base 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/Intel-ic10.1-FP-intel64-linux-flags.20090714.22.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/Intel-ic10.1-FP-intel64-linux-flags.20090714.22.xml`

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Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 13:45:49 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 11 December 2007.