SPEC® CINT2006 Result

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IBM Corporation

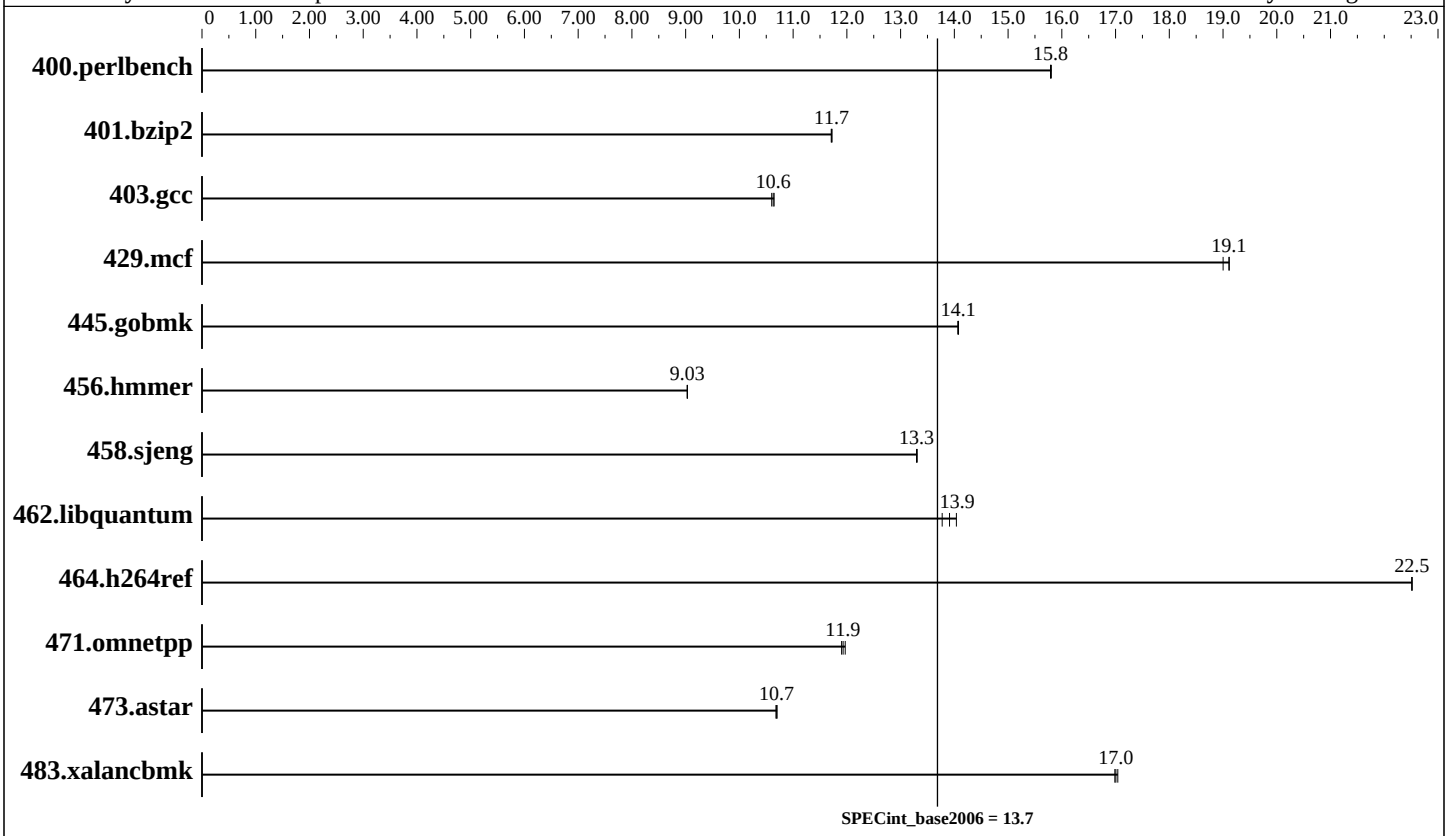
IBM System x3200 (Intel Xeon X3210)

SPECint®2006 = Not Run

SPECint_base2006 = 13.7

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

Test date: Jan-2007
Hardware Availability: Feb-2007
Software Availability: Aug-2006



Hardware

CPU Name:	Intel Xeon X3210
CPU Characteristics:	1066MHz system bus
CPU MHz:	2133
FPU:	Integrated
CPU(s) enabled:	4 cores, 1 chip, 4 cores/chip
CPU(s) orderable:	1 chip
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:	8 GB (4 x 2GB PC2-5300 ECC)
Disk Subsystem:	1 x 73 GB SAS, 10000 RPM
Other Hardware:	None

Software

Operating System:	Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)
Compiler:	Intel C++ Compiler for IA32 version 9.1 Build no 20060816 Microsoft Visual Studio .Net 2003 (for libraries)
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	Not Applicable
Other Software:	Smart Heap Library, Version 8

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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	619	15.8	**619**	**15.8**	618	15.8						
401.bzip2	824	11.7	823	11.7	**824**	**11.7**						
403.gcc	759	10.6	**757**	**10.6**	756	10.6						
429.mcf	480	19.0	**477**	**19.1**	477	19.1						
445.gobmk	746	14.1	745	14.1	**745**	**14.1**						
456.hmmer	1033	9.03	**1033**	**9.03**	1033	9.03						
458.sjeng	910	13.3	**910**	**13.3**	909	13.3						
462.libquantum	1504	13.8	**1490**	**13.9**	1476	14.0						
464.h264ref	983	22.5	983	22.5	**983**	**22.5**						
471.omnetpp	525	11.9	**524**	**11.9**	522	12.0						
473.astar	657	10.7	**657**	**10.7**	656	10.7						
483.xalancbmk	406	17.0	**406**	**17.0**	405	17.0						

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

Base Compiler Invocation

C benchmarks:
```
icl -Qvc7.1 -Qc99
```

C++ benchmarks:
```
icl -Qvc7.1
```

Base Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`

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`

The flags file that was used to format this result can be browsed at
`http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090714.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090714.xml`

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