SPEC® CINT2006 Result

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IBM Corporation

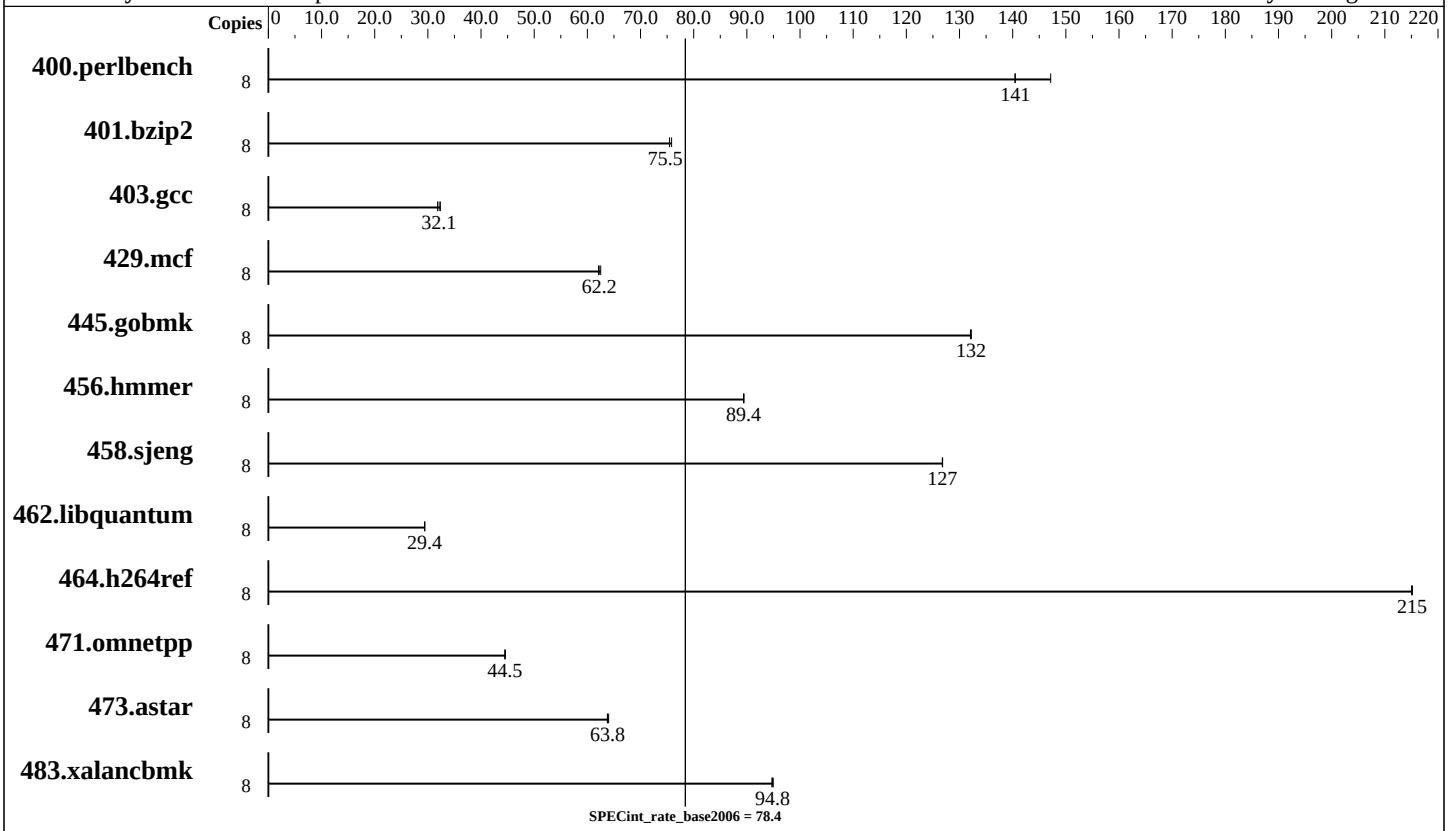
IBM BladeCenter HS21 (Intel Xeon X5355)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 78.4

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

Test date: Apr-2007
Hardware Availability: Apr-2007
Software Availability: Aug-2006



Hardware

CPU Name:	Intel Xeon X5355
CPU Characteristics:	1333MHz system bus
CPU MHz:	2667
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:	8 MB I+D on chip per chip, 4 MB shared / 2 cores
L3 Cache:	None
Other Cache:	None
Memory:	8 GB (8 x 1GB DDR2-5300F ECC)
Disk Subsystem:	1 x 74 GB SAS, 10000 RPM
Other Hardware:	Memory and I/O Expansion Unit (P/N 42C1600)

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						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	8	531	147	557	140	**556**	**141**							
401.bzip2	8	1018	75.8	1023	75.4	**1023**	**75.5**							
403.gcc	8	1991	32.4	**2005**	**32.1**	2024	31.8							
429.mcf	8	1167	62.5	1175	62.1	**1173**	**62.2**							
445.gobmk	8	635	132	**635**	**132**	635	132							
456.hmmer	8	**835**	**89.4**	835	89.4	835	89.4							
458.sjeng	8	**764**	**127**	764	127	763	127							
462.libquantum	8	**5638**	**29.4**	5638	29.4	5638	29.4							
464.h264ref	8	823	215	**823**	**215**	823	215							
471.omnetpp	8	**1123**	**44.5**	1124	44.5	1122	44.6							
473.astar	8	878	64.0	881	63.8	**880**	**63.8**							
483.xalancbmk	8	583	94.7	581	95.0	**582**	**94.8**							

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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