



# SPEC<sup>®</sup> CINT2006 Result

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## IBM Corporation

### SPECint<sup>®</sup>\_rate2006 = Not Run

### IBM BladeCenter HS21 (Intel Xeon X5355)

### SPECint\_rate\_base2006 = 78.4

CPU2006 license: 11

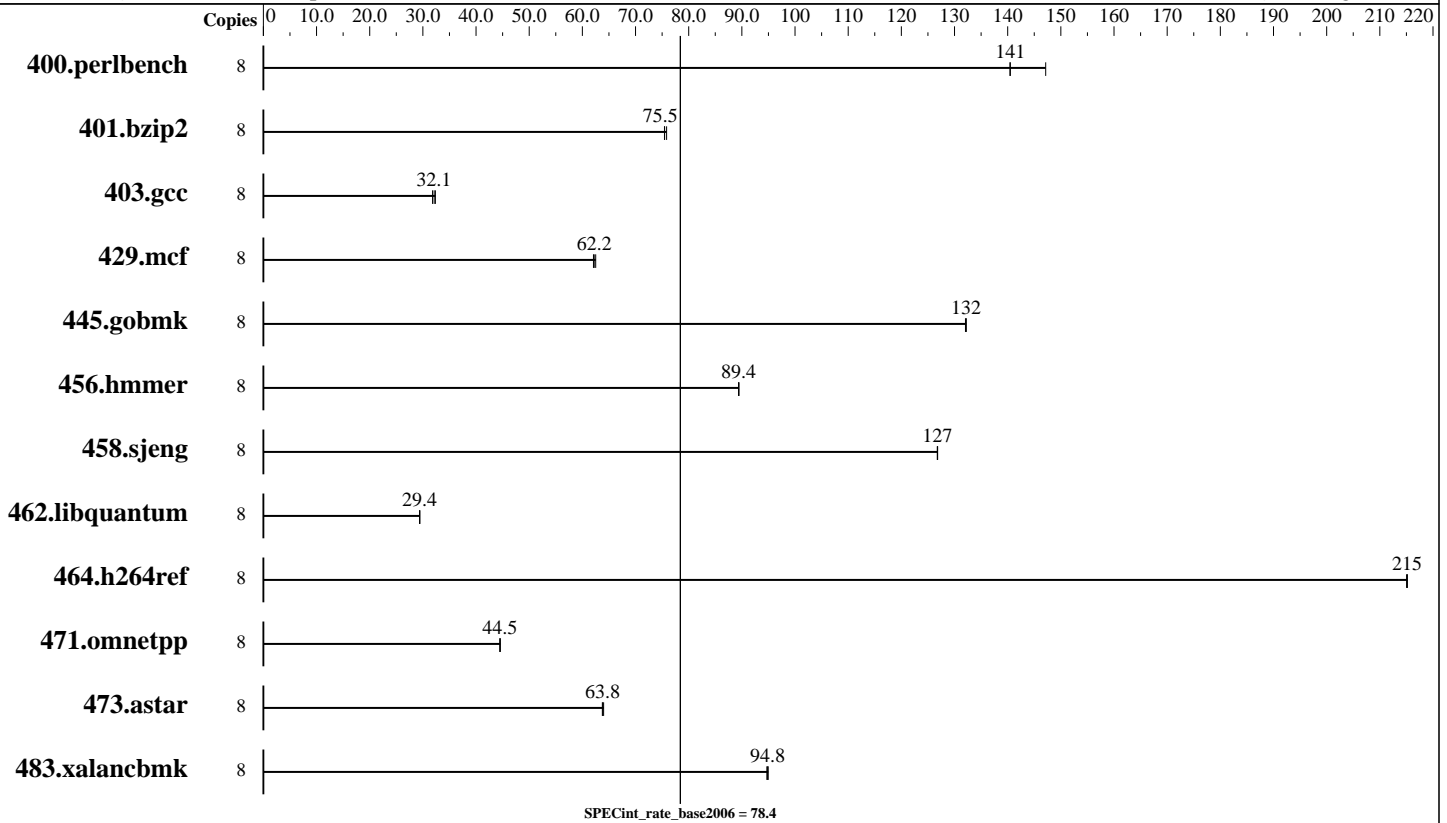
Test sponsor: IBM Corporation

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

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



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## 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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For questions about this result, please contact the tester.  
For other inquiries, please contact [webmaster@spec.org](mailto:webmaster@spec.org).

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