



# SPEC® CINT2006 Result

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## IBM Corporation

## SPECint®\_rate2006 = Not Run

## IBM System x3650 (Intel Xeon E5335)

## SPECint\_rate\_base2006 = 67.4

CPU2006 license: 11

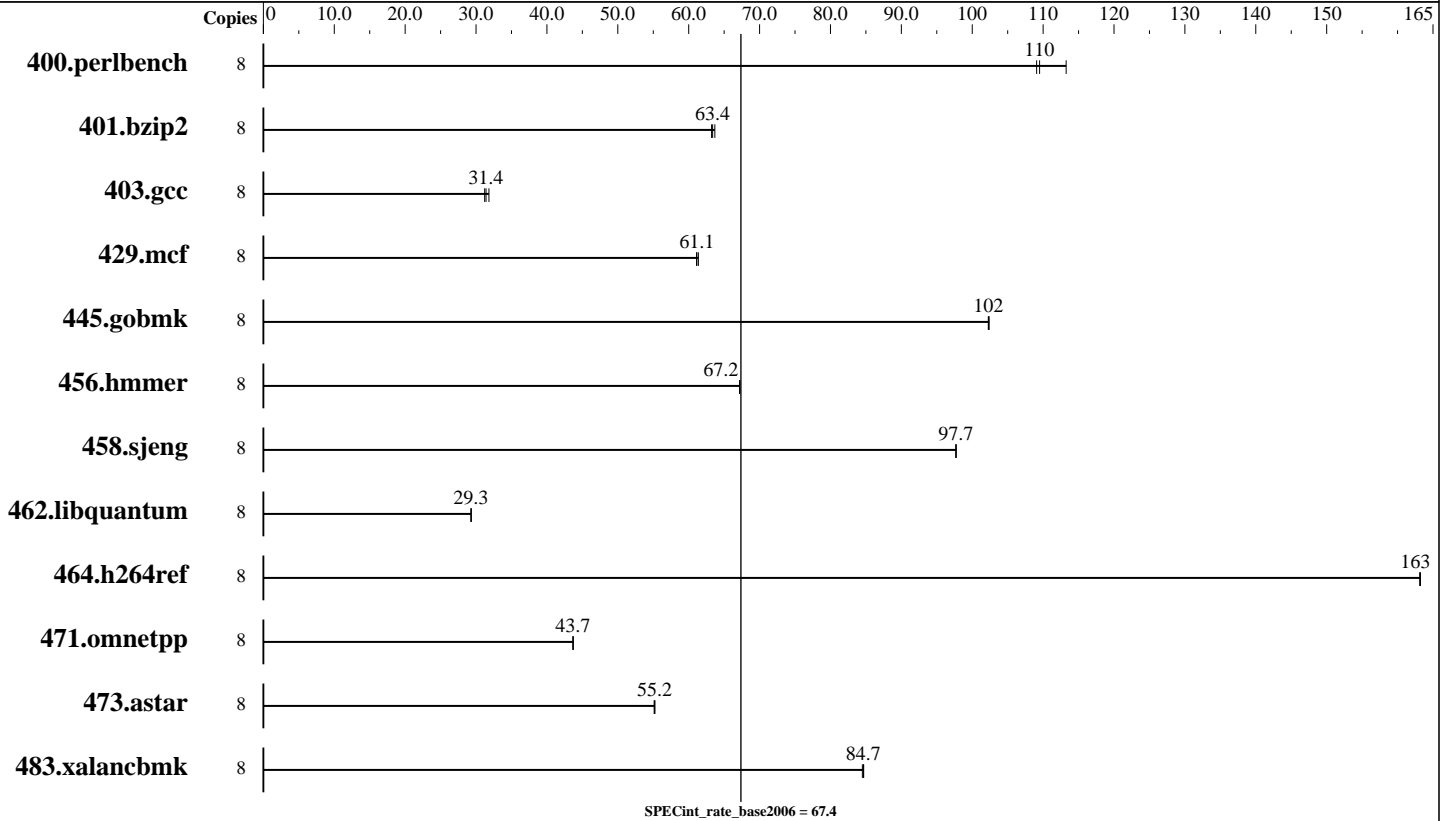
Test sponsor: IBM Corporation

Tested by: IBM Corporation

Test date: Jan-2007

Hardware Availability: Feb-2007

Software Availability: Aug-2006



### Hardware

CPU Name: Intel Xeon E5335  
 CPU Characteristics: 1066MHz system bus  
 CPU MHz: 2000  
 FPU: Integrated  
 CPU(s) enabled: 8 cores, 2 chips, 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 (8 x 1GB DDR2-5300F ECC)  
 Disk Subsystem: 1 x 146 GB SAS, 15000 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							
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	8	690	113	<b>714</b>	<b>110</b>	717	109							
401.bzip2	8	1221	63.2	1212	63.7	<b>1218</b>	<b>63.4</b>							
403.gcc	8	<b>2050</b>	<b>31.4</b>	2024	31.8	2063	31.2							
429.mcf	8	1189	61.4	1194	61.1	<b>1193</b>	<b>61.1</b>							
445.gobmk	8	820	102	821	102	<b>820</b>	<b>102</b>							
456.hammer	8	<b>1111</b>	<b>67.2</b>	1111	67.2	1111	67.2							
458.sjeng	8	991	97.7	<b>991</b>	<b>97.7</b>	990	97.7							
462.libquantum	8	5658	29.3	5656	29.3	<b>5656</b>	<b>29.3</b>							
464.h264ref	8	<b>1085</b>	<b>163</b>	1085	163	1085	163							
471.omnetpp	8	1144	43.7	1145	43.7	<b>1145</b>	<b>43.7</b>							
473.astar	8	<b>1018</b>	<b>55.2</b>	1017	55.2	1019	55.1							
483.xalancbmk	8	<b>652</b>	<b>84.7</b>	653	84.5	652	84.7							

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).

Tested with SPEC CPU2006 v1.0.  
Report generated on Tue Jul 22 10:13:48 2014 by SPEC CPU2006 PS/PDF formatter v6932.  
Originally published on 8 February 2007.