# SPEC® CINT2006 Result

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## IBM Corporation

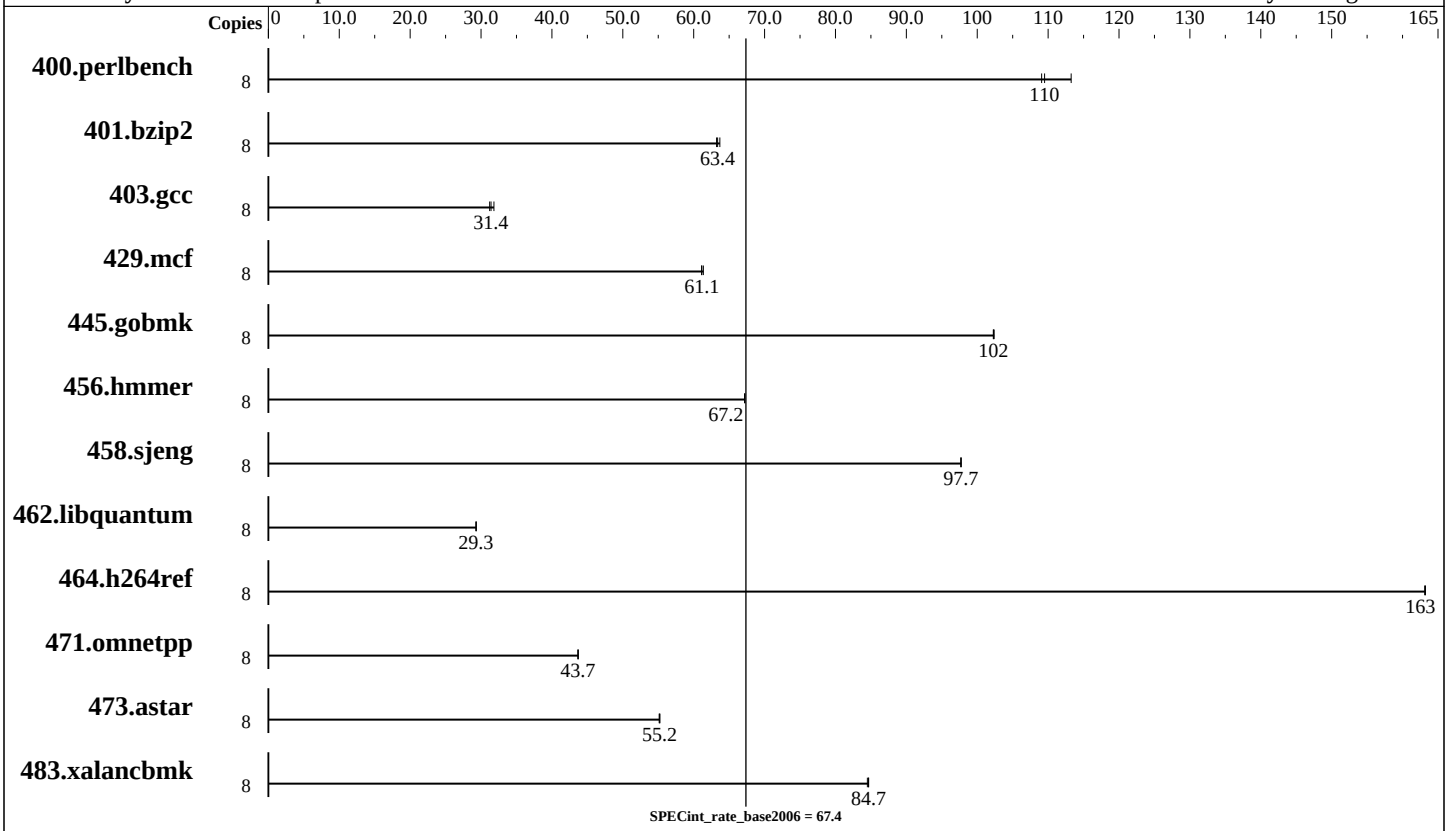
## IBM System x3650 (Intel Xeon E5335)

SPECint®_rate2006 = Not Run

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<br>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 | **714** | **110** | 717 | 109 | | | | | | | |
| 401.bzip2 | 8 | 1221 | 63.2 | 1212 | 63.7 | **1218** | **63.4** | | | | | | | |
| 403.gcc | 8 | **2050** | **31.4** | 2024 | 31.8 | 2063 | 31.2 | | | | | | | |
| 429.mcf | 8 | 1189 | 61.4 | 1194 | 61.1 | **1193** | **61.1** | | | | | | | |
| 445.gobmk | 8 | 820 | 102 | 821 | 102 | **820** | **102** | | | | | | | |
| 456.hmmer | 8 | **1111** | **67.2** | 1111 | 67.2 | 1111 | 67.2 | | | | | | | |
| 458.sjeng | 8 | 991 | 97.7 | **991** | **97.7** | 990 | 97.7 | | | | | | | |
| 462.libquantum | 8 | 5658 | 29.3 | 5656 | 29.3 | **5656** | **29.3** | | | | | | | |
| 464.h264ref | 8 | **1085** | **163** | 1085 | 163 | 1085 | 163 | | | | | | | |
| 471.omnetpp | 8 | 1144 | 43.7 | 1145 | 43.7 | **1145** | **43.7** | | | | | | | |
| 473.astar | 8 | **1018** | **55.2** | 1017 | 55.2 | 1019 | 55.1 | | | | | | | |
| 483.xalancbmk | 8 | **652** | **84.7** | 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
```

## 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.

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.