



SPEC[®] CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

IBM Corporation

SPECint[®]2006 = **Not Run**

IBM System x3850 (Intel Xeon 7120N)

SPECint_base2006 = **8.80**

CPU2006 license: 11

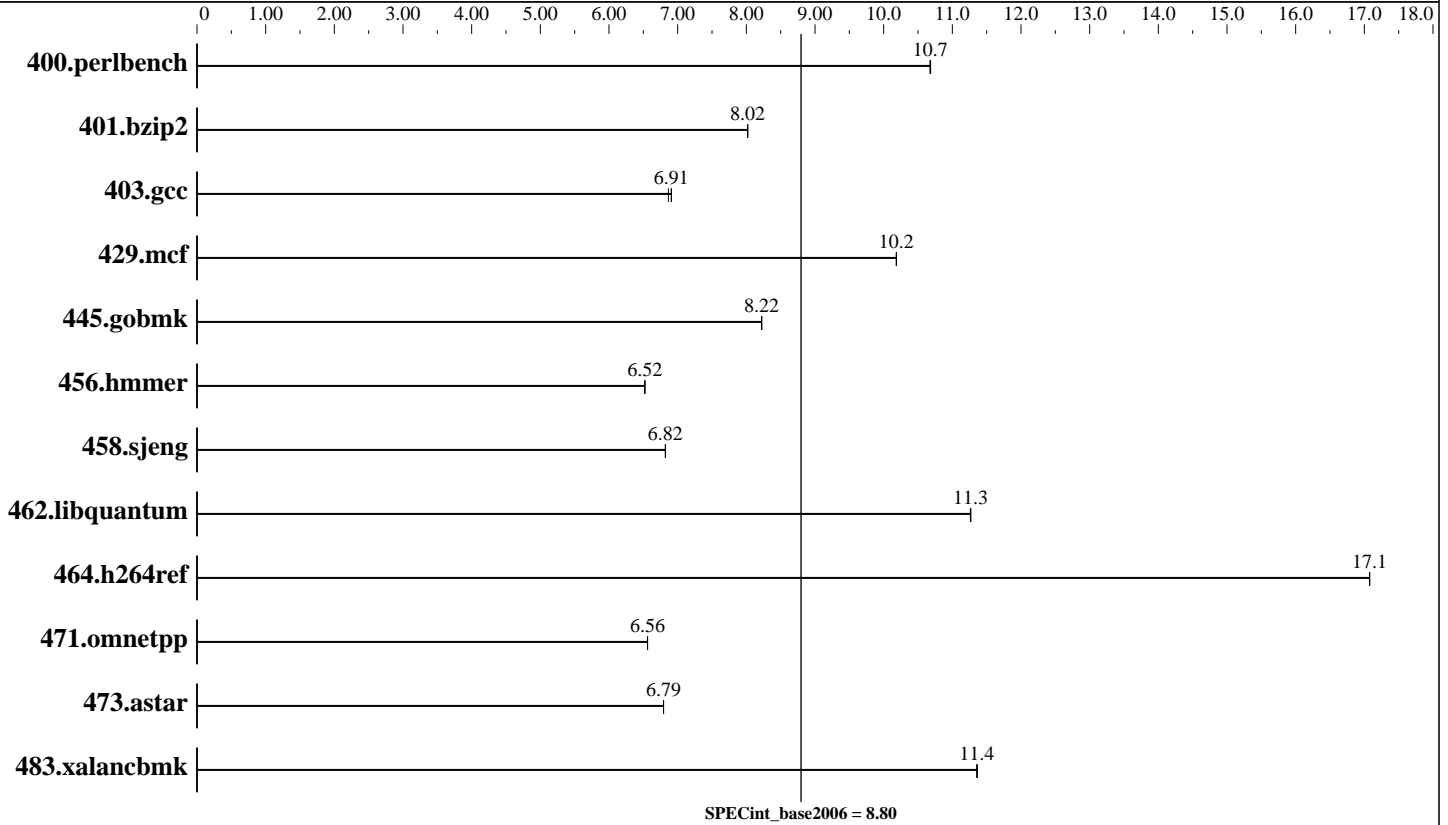
Test sponsor: IBM Corporation

Tested by: IBM Corporation

Test date: Feb-2007

Hardware Availability: Oct-2006

Software Availability: Aug-2006



Hardware

CPU Name: Intel Xeon 7120N
 CPU Characteristics: 667 MHz bus
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 8 cores, 4 chips, 2 cores/chip, 2 threads/core
 CPU(s) orderable: 1,2,4 chips
 Primary Cache: 12 K micro-ops I + 16 KB D on chip per core
 Secondary Cache: 1 MB I+D on chip per core
 L3 Cache: 4 MB I+D on chip per chip
 Other Cache: None
 Memory: 32 GB (16 x 2048 MB ECC PC2-3200)
 Disk Subsystem: 73 GB SAS, 10k 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



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

IBM Corporation

SPECint2006 = Not Run

IBM System x3850 (Intel Xeon 7120N)

SPECint_base2006 = 8.80

CPU2006 license: 11

Test date: Feb-2007

Test sponsor: IBM Corporation

Hardware Availability: Oct-2006

Tested by: IBM Corporation

Software Availability: Aug-2006

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	<u>915</u>	<u>10.7</u>	914	10.7	915	10.7						
401.bzip2	<u>1203</u>	<u>8.02</u>	1203	8.02	1204	8.02						
403.gcc	<u>1166</u>	<u>6.91</u>	1165	6.91	1173	6.86						
429.mcf	895	10.2	896	10.2	<u>895</u>	<u>10.2</u>						
445.gobmk	1276	8.22	<u>1276</u>	<u>8.22</u>	1276	8.22						
456.hmmer	1430	6.52	1431	6.52	<u>1431</u>	<u>6.52</u>						
458.sjeng	1774	6.82	<u>1774</u>	<u>6.82</u>	1774	6.82						
462.libquantum	1840	11.3	1839	11.3	<u>1839</u>	<u>11.3</u>						
464.h264ref	1296	17.1	<u>1296</u>	<u>17.1</u>	1296	17.1						
471.omnetpp	953	6.56	<u>953</u>	<u>6.56</u>	953	6.56						
473.astar	<u>1033</u>	<u>6.79</u>	1033	6.79	1033	6.79						
483.xalancbmk	<u>607</u>	<u>11.4</u>	608	11.4	607	11.4						

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

General Notes

Bios Settings

Hardware Prefetch enabled

Memory Array set to High-Performance Memory Array

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
```

Continued on next page

Standard Performance Evaluation Corporation

info@spec.org

http://www.spec.org/



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

IBM Corporation

SPECint2006 = Not Run

IBM System x3850 (Intel Xeon 7120N)

SPECint_base2006 = 8.80

CPU2006 license: 11

Test date: Feb-2007

Test sponsor: IBM Corporation

Hardware Availability: Oct-2006

Tested by: IBM Corporation

Software Availability: Aug-2006

Base Optimization Flags (Continued)

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.20090715.01.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090715.01.xml>

SPEC and SPECint are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

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 10:33:49 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 6 March 2007.