SPEC® CINT2006 Result

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Intel Corporation

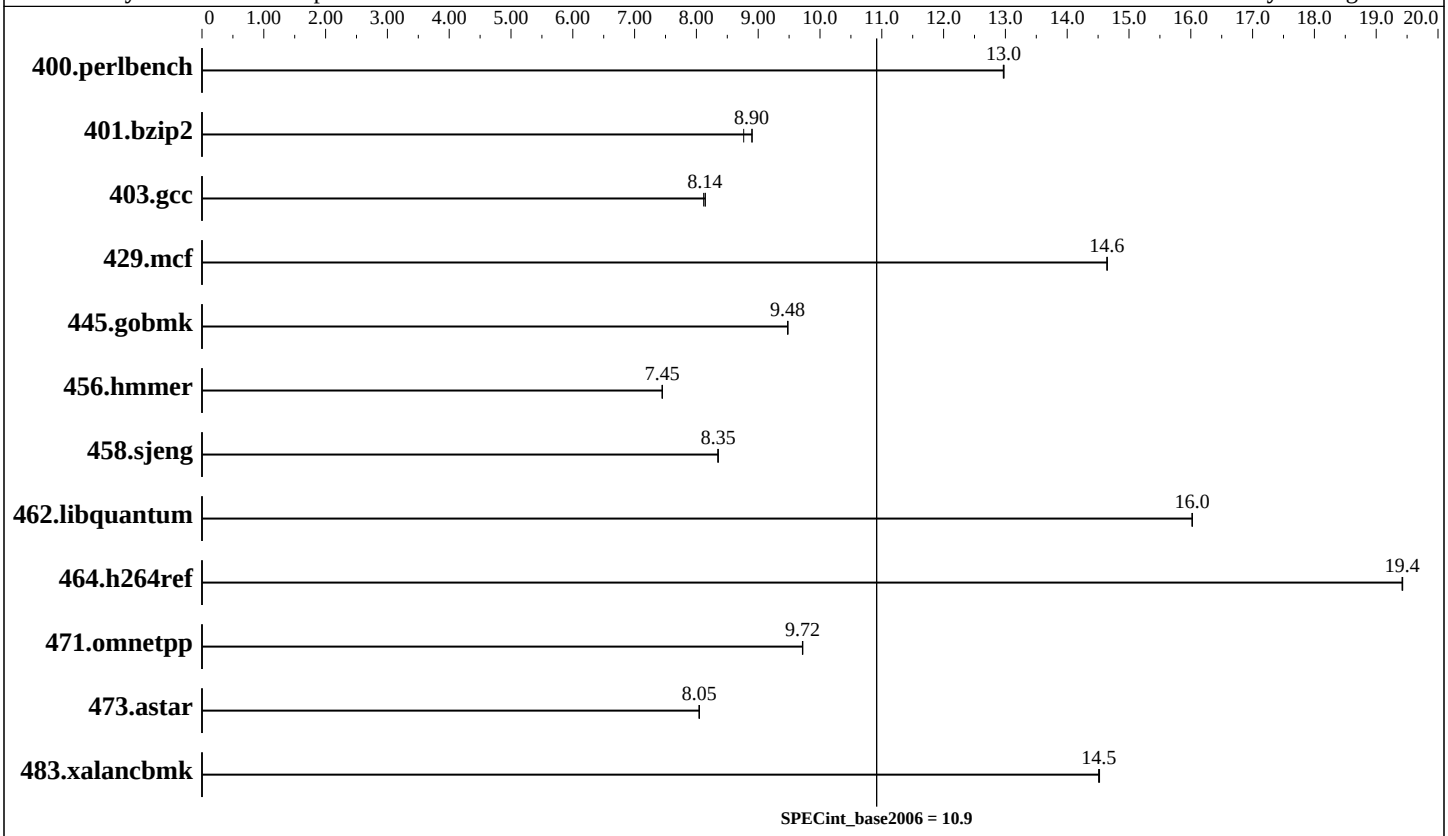
Intel DG965WH motherboard
(3.4 GHz, Intel Pentium D processor 950)

SPECint®2006 = Not Run

SPECint_base2006 = 10.9

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

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



Hardware

CPU Name:	Intel Pentium D 950
CPU Characteristics:	3.4 GHz, 800 MHz bus
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1 chip
Primary Cache:	12 K micro-ops I + 16 KB D on chip per core
Secondary Cache:	2 MB I+D on chip per core
L3 Cache:	None
Other Cache:	None
Memory:	2 GB (2 1GB Micron MT16HTF12864AY-80ED4 DDR2 800, CL5)
Disk Subsystem:	Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)
Other Hardware:	SoundBlaster Live! PCI card

Software

Operating System:	Windows XP Professional w/ SP2
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:	SmartHeap Library Version 8.0 from http://www.microquill.com/

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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	754	13.0	**753**	**13.0**	753	13.0						
401.bzip2	1084	8.90	1101	8.77	**1085**	**8.90**						
403.gcc	989	8.14	992	8.12	**989**	**8.14**						
429.mcf	623	14.6	623	14.6	**623**	**14.6**						
445.gobmk	**1107**	**9.48**	1107	9.48	1107	9.48						
456.hmmer	1253	7.45	1253	7.45	**1253**	**7.45**						
458.sjeng	1450	8.35	**1449**	**8.35**	1449	8.35						
462.libquantum	**1293**	**16.0**	1293	16.0	1293	16.0						
464.h264ref	1140	19.4	1139	19.4	**1139**	**19.4**						
471.omnetpp	643	9.72	**643**	**9.72**	643	9.72						
473.astar	**873**	**8.05**	872	8.05	873	8.04						
483.xalancbmk	475	14.5	**475**	**14.5**	476	14.5						

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

General Notes

```
Tested systems can be used with Shin-G ATX case, Antec NeoPower 480W power supply
Product description located as of 1/2007:
http://www.intel.com/products/motherboard/DG965WH/index.htm
The system bus runs at 800 MHz
```

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

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.20090715.06.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090715.06.xml`

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For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

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