SPEC® CINT2006 Result

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Intel Corporation

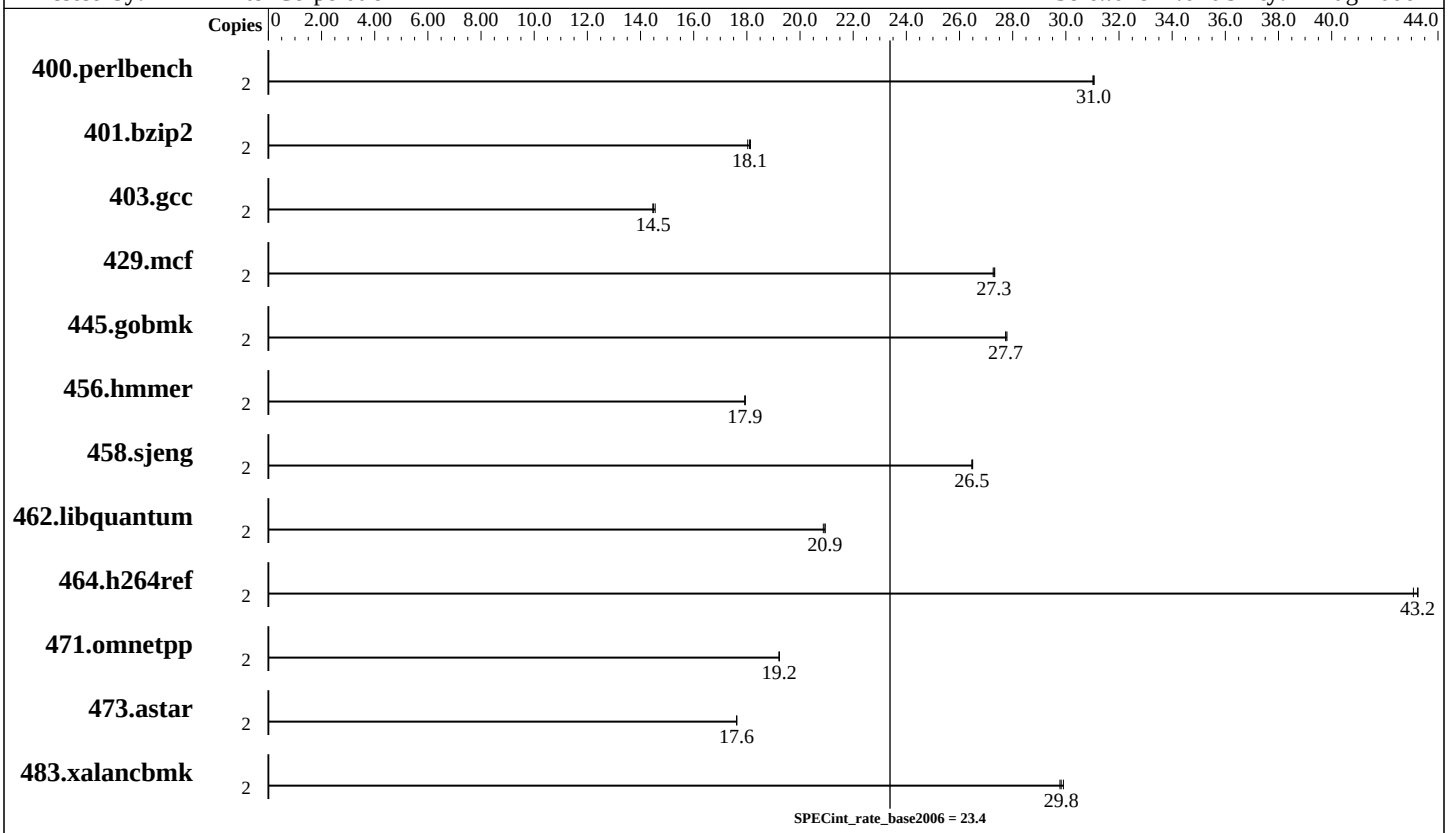
Intel DG965WH motherboard
(2.13 GHz, Intel Core 2 Duo processor E6400)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 23.4

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 Core 2 Duo E6400
CPU Characteristics:	2.13 GHz, 1066 MHz bus
CPU MHz:	2133
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1 chip
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	2 MB I+D on chip per chip
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						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	2	629	31.1	**629**	**31.0**	630	31.0							
401.bzip2	2	1070	18.0	1064	18.1	**1066**	**18.1**							
403.gcc	2	1106	14.6	**1112**	**14.5**	1113	14.5							
429.mcf	2	**668**	**27.3**	668	27.3	669	27.3							
445.gobmk	2	756	27.7	**756**	**27.7**	755	27.8							
456.hmmer	2	**1041**	**17.9**	1041	17.9	1040	17.9							
458.sjeng	2	**914**	**26.5**	914	26.5	913	26.5							
462.libquantum	2	1979	20.9	1985	20.9	**1979**	**20.9**							
464.h264ref	2	**1024**	**43.2**	1028	43.1	1023	43.2							
471.omnetpp	2	**650**	**19.2**	650	19.2	651	19.2							
473.astar	2	797	17.6	**797**	**17.6**	797	17.6							
483.xalancbmk	2	**463**	**29.8**	463	29.8	461	29.9							

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 1066 MHz
System was configured with Single nVidia Quad SLI Geforce 7950 GX2
```

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.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 other inquiries, please contact webmaster@spec.org.

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