SPEC® CINT2006 Result

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Fujitsu Siemens Computers

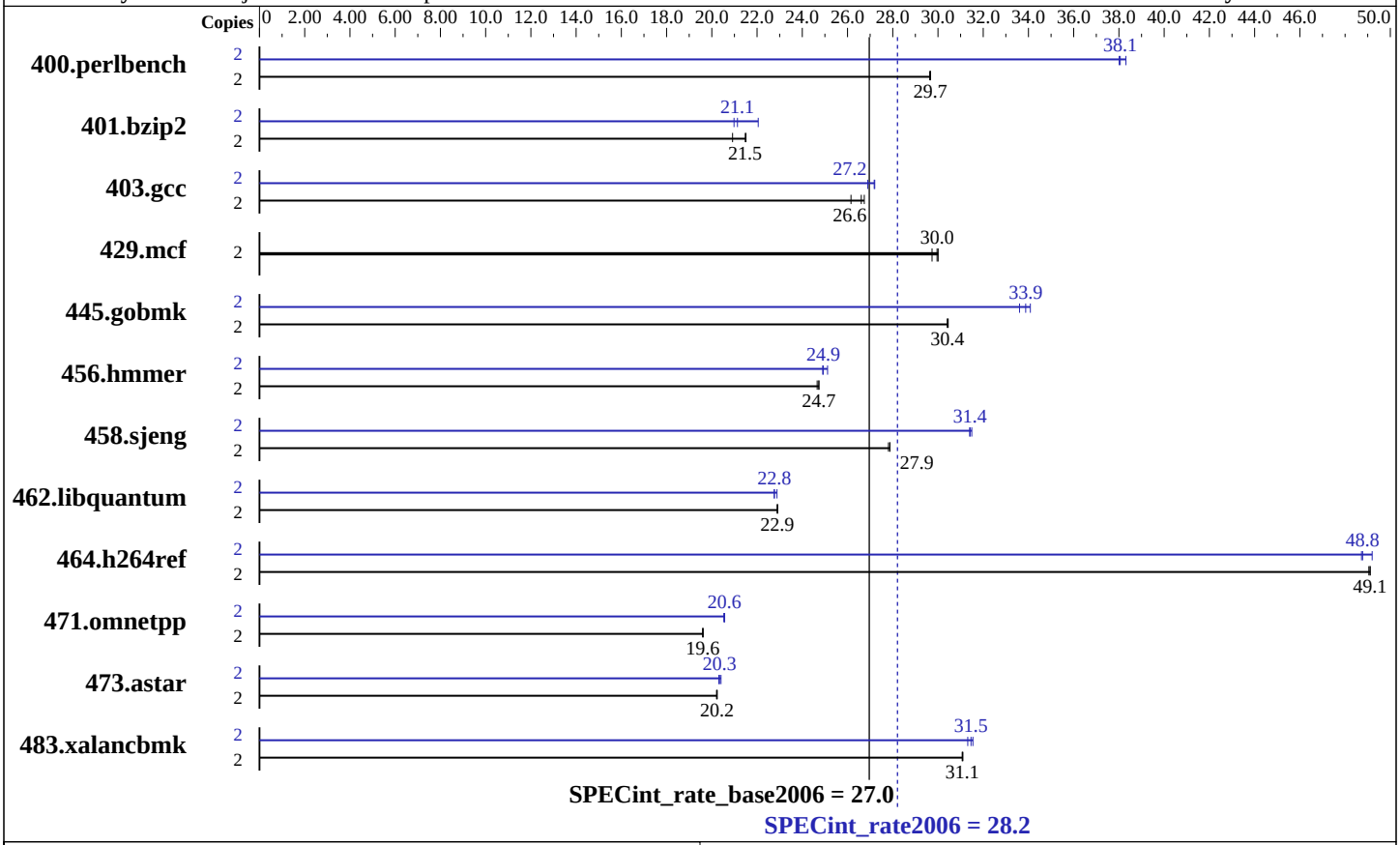
CELSIUS H250, Intel Core 2 Duo T7700 processor

SPECint®_rate2006 = 28.2

SPECint_rate_base2006 = 27.0

CPU2006 license: 22
Test sponsor: Fujitsu Siemens Computers
Tested by: Fujitsu Siemens Computers

Test date: Jul-2007
Hardware Availability: Jul-2007
Software Availability: Jun-2007



Hardware

CPU Name:	Intel Core 2 Duo T7700
CPU Characteristics:	
CPU MHz:	2400
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:	4 MB I+D on chip per chip
L3 Cache:	None
Other Cache:	None
Memory:	2 GB (2x1 GB 667 MHz CL5 DDR2 SDRAM)
Disk Subsystem:	1 x 80 GB SATA 7200 RPM
Other Hardware:	None

Software

Operating System:	Windows Vista Ultimate, 64 bit Version
Compiler:	Intel C++ Compiler for applications . running on IA-32, Version 10.0, . Build 20070613, Package ID: W_CC_C_10.0.026 Microsoft Visual Studio 2005 with SP1 (for libraries)
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	MicroQuill SmartHeap Library 8.1

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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	659	29.7	**659**	**29.7**	659	29.6	2	510	38.3	**513**	**38.1**	514	38.0
401.bzip2	2	897	21.5	923	20.9	**899**	**21.5**	2	875	22.1	920	21.0	**913**	**21.1**
403.gcc	2	**605**	**26.6**	616	26.2	602	26.7	2	599	26.9	**592**	**27.2**	592	27.2
429.mcf	2	**609**	**30.0**	608	30.0	613	29.7	2	**609**	**30.0**	608	30.0	613	29.7
445.gobmk	2	690	30.4	**690**	**30.4**	689	30.5	2	616	34.1	624	33.6	**619**	**33.9**
456.hmmer	2	757	24.7	754	24.7	**755**	**24.7**	2	743	25.1	**749**	**24.9**	749	24.9
458.sjeng	2	**868**	**27.9**	870	27.8	868	27.9	2	768	31.5	771	31.4	**770**	**31.4**
462.libquantum	2	**1809**	**22.9**	1810	22.9	1809	22.9	2	1811	22.9	**1820**	**22.8**	1821	22.8
464.h264ref	2	901	49.1	**901**	**49.1**	902	49.0	2	900	49.2	908	48.7	**907**	**48.8**
471.omnetpp	2	638	19.6	637	19.6	**638**	**19.6**	2	**608**	**20.6**	608	20.6	609	20.5
473.astar	2	695	20.2	694	20.2	**694**	**20.2**	2	**690**	**20.3**	688	20.4	691	20.3
483.xalancbmk	2	444	31.1	**444**	**31.1**	444	31.1	2	441	31.3	437	31.5	**439**	**31.5**

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

Platform Notes

```
BIOS default settings have been used.
```

General Notes

```
For information about Fujitsu Siemens Computers in your country please see:
http://www.fujitsu-siemens.com/countries
```

Base Compiler Invocation

C benchmarks:

```
icl -Qvc8 -Qc99
```

C++ benchmarks:

```
icl -Qvc8
```

Base Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`
483.xalancbmk: `-Qoption,cpp,--no_wchar_t_keyword`

Base Optimization Flags

C benchmarks:
```
-fast -F512000000 -link -FORCE:MULTIPLE
```

C++ benchmarks:
```
-fast -Qcxx-features -F512000000 shlW32M.lib -link -FORCE:MULTIPLE
```

Base Other Flags

C benchmarks:

403.gcc: `-Dalloca=_alloca`

Peak Compiler Invocation

C benchmarks:
```
icl -Qvc8 -Qc99
```

C++ benchmarks:
```
icl -Qvc8
```

Peak Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`
483.xalancbmk: `-Qoption,cpp,--no_wchar_t_keyword`

Peak Optimization Flags

C benchmarks:

400.perlbench: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -F512000000 shlW32M.lib -link -FORCE:MULTIPLE`

401.bzip2: Same as 400.perlbench

403.gcc: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -F512000000 -link -FORCE:MULTIPLE`

429.mcf: `basepeak = yes`

445.gobmk: Same as 400.perlbench

Continued on next page

Peak Optimization Flags (Continued)

456.hmmer: Same as 400.perlbench

458.sjeng: Same as 400.perlbench

462.libquantum: Same as 400.perlbench

464.h264ref: Same as 400.perlbench

C++ benchmarks:
-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx-features
-F512000000 shlW32M.lib -link -FORCE:MULTIPLE

Peak 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/CPU2006_flags.20090714.14.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.14.xml

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