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 date:**   Jul-2007
Test sponsor: Fujitsu Siemens Computers   **Hardware Availability:** Jul-2007
Tested by: Fujitsu Siemens Computers   **Software Availability:**   Jun-2007

SPECint_rate_base2006 = 27.0

SPECint_rate2006 = 28.2

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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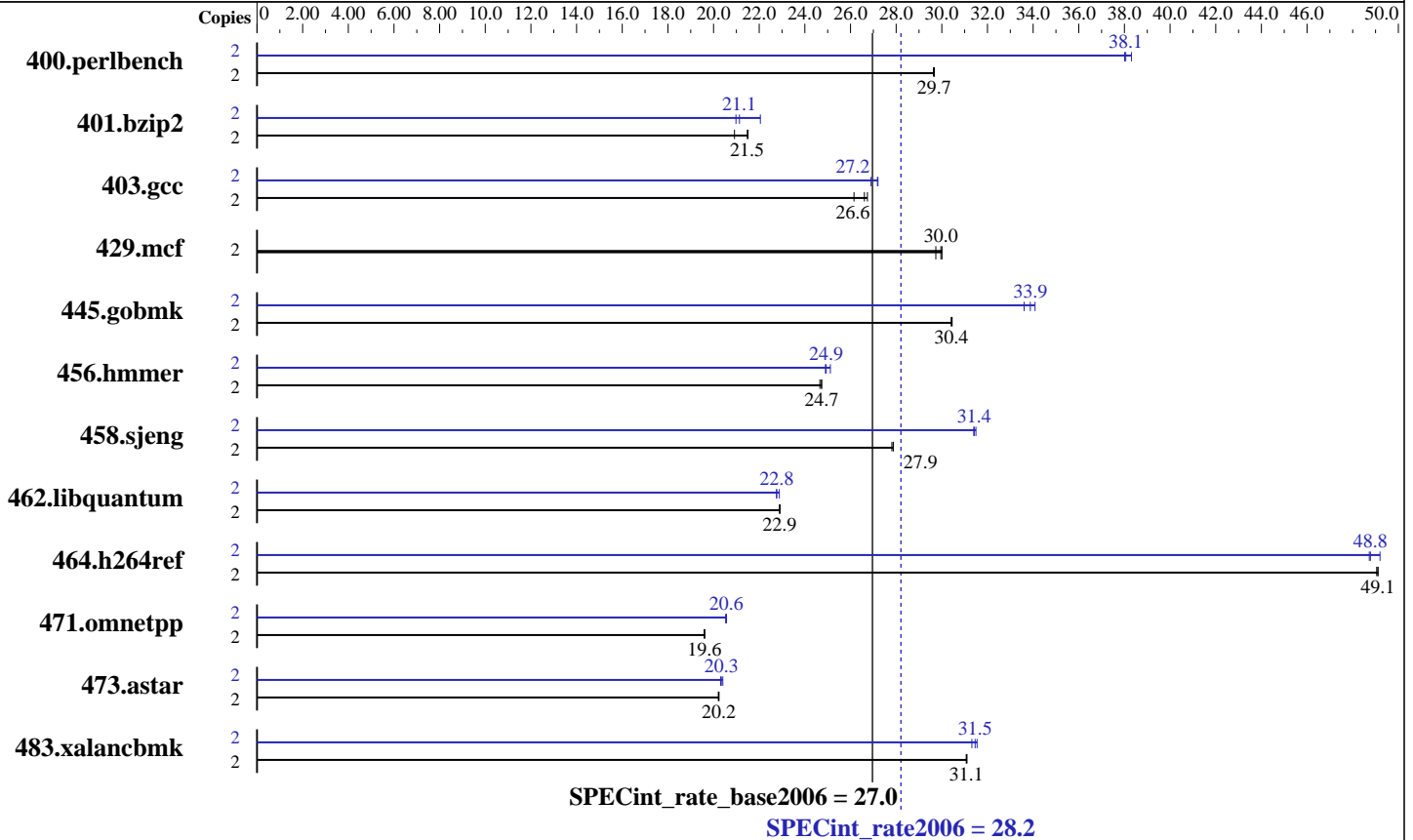**Test sponsor:** Fujitsu Siemens Computers
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Results Table

Benchmark	Base Copies	Base Seconds	Base Ratio	Base Seconds	Base Ratio	Base Seconds	Base Ratio	Peak Copies	Peak Seconds	Peak Ratio	Peak Seconds	Peak Ratio	Peak Seconds	Peak 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
```

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Tested by:	Fujitsu Siemens Computers	**Software Availability:**	Jun-2007

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
```

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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

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

Tested with SPEC CPU2006 v1.0.
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