## SPECint®_rate2006 = 70.5

### CPU2006 License

**CPU2006 license:** 22

### Test Sponsor

**Test sponsor:** Fujitsu Siemens Computers

### Tested By

**Tested by:** Fujitsu Siemens Computers

### Software Availability

**Software Availability:** Jan-2006

### Hardware

**CPU Name:** Intel Xeon E5335

**CPU Characteristics:** E5335

**CPU MHz:** 2000

**FPU:** Integrated

**CPU(s) enabled:** 8 cores, 2 chips, 4 cores/chip

**Primary Cache:** 32 KB I + 32 KB D on chip per core

**Secondary Cache:** 8 MB 1+D on chip per chip, 4 MB shared / 2 cores

**L3 Cache:** None

**Other Cache:** None

**Memory:** 16 GB (8x2 GB DDR2 5300F; 2 rank, CL5-5-5, ECC)

**Disk Subsystem:** SATA II 7200 rpm

**Other Hardware:** None

### Software

**Operating System:** Windows XP, 64 bit Edition

**Compiler:** Intel C++ Compiler for 32-bit applications - Version 9.1, Build 20070109Z

**Microsoft Visual Studio.NET 2003** (for libraries)

**Auto Parallel:** No

**File System:** NTFS

**System State:** Default

**Base Pointers:** 32-bit

**Peak Pointers:** 32-bit

**Other Software:** MicroQuill SmartHeap Library 8.0

### Plot

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Copies</th>
<th>SPECint_rate2006</th>
<th>SPECint_rate_base2006</th>
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</thead>
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<tr>
<td>400.perlbench</td>
<td>8</td>
<td>65.9</td>
<td>68.2</td>
</tr>
<tr>
<td>401.bzip2</td>
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<tr>
<td>429.mcf</td>
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<td>113</td>
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<td>458.sjeng</td>
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<td>462.libquantum</td>
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<td>464.h264ref</td>
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<tr>
<td>471.omnetpp</td>
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<td>473.astar</td>
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<tr>
<td>483.xalancbmk</td>
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</table>
SPEC CINT2006 Result

Fujitsu Siemens Computers

CELSIUS R640, Intel Xeon E5335 processor

SPECint_rate2006 = 70.5
SPECint_rate_base2006 = 68.2

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

Test date: Feb-2007
Hardware Availability: Nov-2006
Software Availability: Jan-2007

Results Table

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</tbody>
</table>

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, except:
High Bandwidth Option Enabled

General Notes

'start /b /wait /affinity' command is used to bind CPU(s) to processes

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Base Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99

C++ benchmarks:
icl -Qvc7.1

Base Portability Flags

403.gcc: -DSPEC_CPU_WIN32

Continued on next page
# SPEC CINT2006 Result

## Fujitsu Siemens Computers

CELSIUS R640, Intel Xeon E5335 processor

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## Base Portability Flags (Continued)

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

## Peak Compiler Invocation

C benchmarks:
- icl -Qvc7.1 -Qc99

C++ benchmarks:
- icl -Qvc7.1

## Peak Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32

## 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: Same as 400.perlbench

Continued on next page
Fujitsu Siemens Computers
CELSIUS R640, Intel Xeon E5335 processor

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Peak Optimization Flags (Continued)

429.mcf: basepeak = yes
445.gobmk: Same as 400.perlbench
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(pass1) -Qprof_use(pass2) -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

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

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

Tested with SPEC CPU2006 v1.0.