



SPEC® CINT2006 Result

Copyright 2006-2009 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECint®_rate2006 = 82.2

CELSIUS R640, Intel Xeon X5355 processor

SPECint_rate_base2006 = 79.9

CPU2006 license: 22

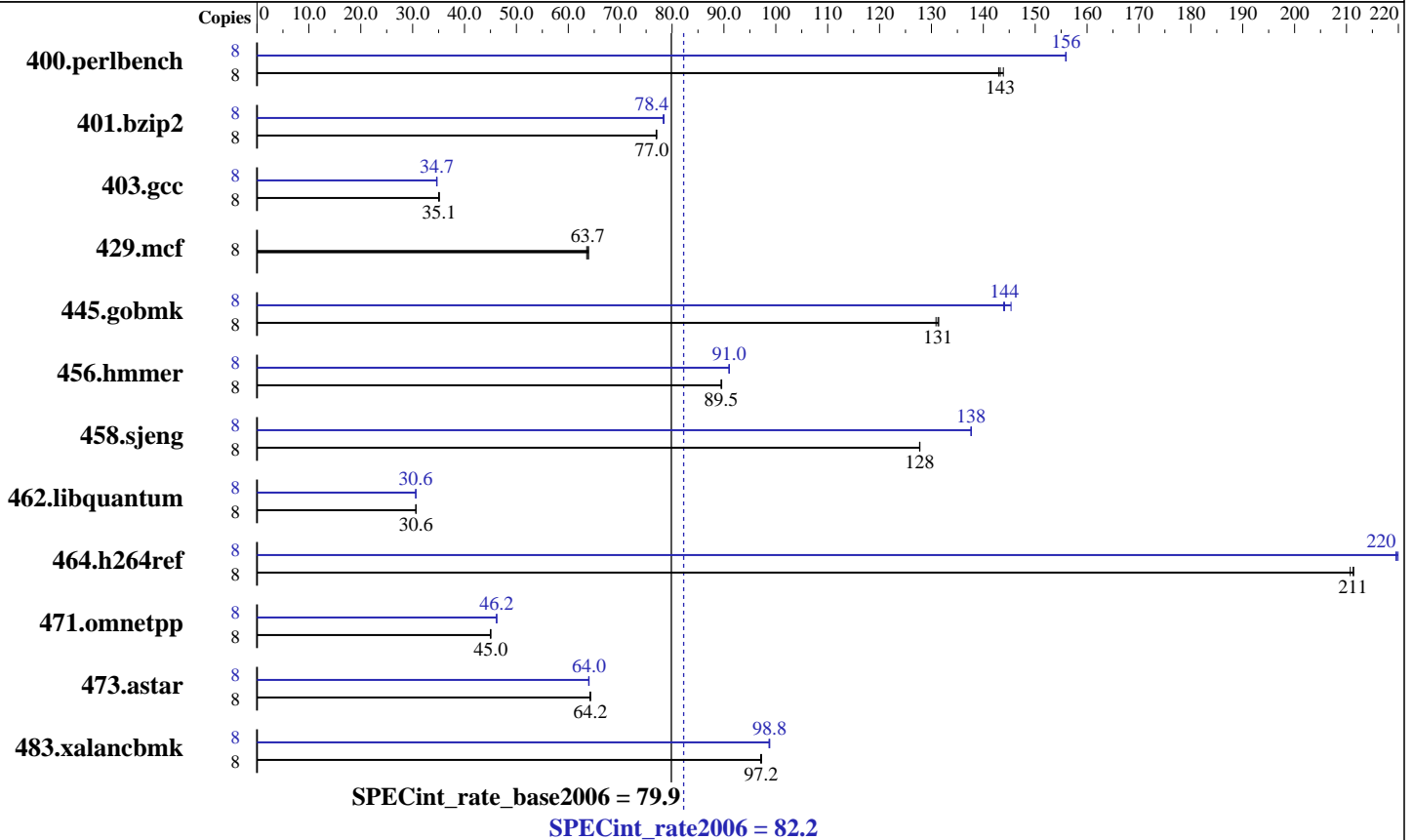
Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Feb-2007

Hardware Availability: Nov-2006

Software Availability: Jan-2007



Hardware

CPU Name: Intel Xeon X5355
 CPU Characteristics: Dual Core, 2.66 GHz
 CPU MHz: 2667
 FPU: Integrated
 CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
 CPU(s) orderable: 1,2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 8 MB I+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



SPEC CINT2006 Result

Copyright 2006-2009 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECint_rate2006 = 82.2

CELSIUS R640, Intel Xeon X5355 processor

SPECint_rate_base2006 = 79.9

CPU2006 license: 22

Test date: Feb-2007

Test sponsor: Fujitsu Siemens Computers

Hardware Availability: Nov-2006

Tested by: Fujitsu Siemens Computers

Software Availability: Jan-2007

Results Table

Benchmark	Base						Peak							
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	8	547	143	543	144	546	143	8	501	156	501	156	501	156
401.bzip2	8	1003	76.9	1002	77.1	1003	77.0	8	986	78.3	985	78.4	984	78.5
403.gcc	8	1833	35.1	1835	35.1	1840	35.0	8	1861	34.6	1857	34.7	1857	34.7
429.mcf	8	1145	63.7	1148	63.6	1141	63.9	8	1145	63.7	1148	63.6	1141	63.9
445.gobmk	8	641	131	639	131	639	131	8	577	145	582	144	583	144
456.hammer	8	834	89.5	833	89.6	834	89.5	8	821	91.0	820	91.1	820	91.0
458.sjeng	8	758	128	758	128	758	128	8	703	138	703	138	703	138
462.libquantum	8	5412	30.6	5409	30.6	5410	30.6	8	5417	30.6	5416	30.6	5412	30.6
464.h264ref	8	838	211	840	211	837	211	8	806	220	806	220	805	220
471.omnetpp	8	1110	45.1	1111	45.0	1110	45.0	8	1082	46.2	1083	46.2	1082	46.2
473.astar	8	875	64.2	874	64.2	873	64.3	8	877	64.0	879	63.9	878	64.0
483.xalancbmk	8	569	97.1	568	97.2	568	97.2	8	559	98.7	559	98.8	559	98.8

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 Bandwith Option Enabled

General Notes

'start /b /wait /affinity' command is used to bind CPU(s) to processes
For information about Fujitsu Siemens Computers in your country please see:
<http://www.fujitsu-siemens.com/countries>

Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99

C++ benchmarks:
icl -Qvc7.1

Portability Flags

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



SPEC CINT2006 Result

Copyright 2006-2009 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECint_rate2006 = 82.2

CELSIUS R640, Intel Xeon X5355 processor

SPECint_rate_base2006 = 79.9

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

Base Optimization Flags

C benchmarks:

```
-fast -F512000000 shlw32M.lib -link -FORCE:MULTIPLE
```

C++ benchmarks:

```
-fast -Qcxx-features -F512000000 shlw32M.lib -link -FORCE:MULTIPLE
```

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
```

```
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(pass 1) -Qprof_use(pass 2) -fast -Qcxx-features  
-F512000000 shlw32M.lib -link -FORCE:MULTIPLE
```

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.20090714.19.html

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

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.19.xml



SPEC CINT2006 Result

Copyright 2006-2009 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECint_rate2006 = 82.2

CELSIUS R640, Intel Xeon X5355 processor

SPECint_rate_base2006 = 79.9

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

SPEC and SPECint are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

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

Tested with SPEC CPU2006 v1.0.
Report generated on Wed Jul 15 12:53:00 2009 by SPEC CPU2006 PS/PDF formatter v6323.