



SPEC® CINT2006 Result

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Fujitsu Siemens Computers

SPECint®_rate2006 = Not Run

PRIMERGY RX200 S4, Intel Xeon L5420, 2.50 GHz

SPECint_rate_base2006 = 98.0

CPU2006 license: 22

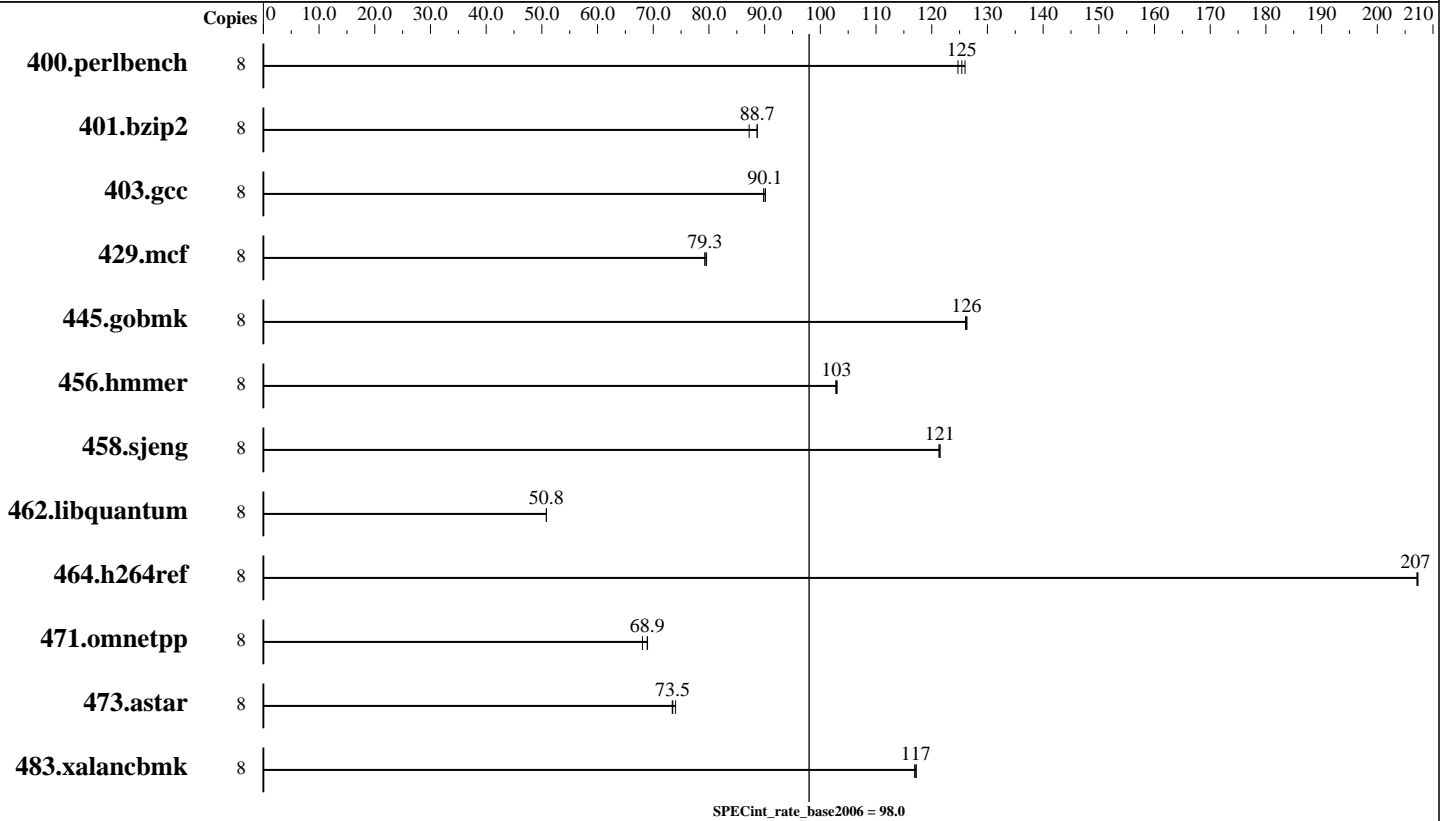
Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Feb-2008

Hardware Availability: Mar-2008

Software Availability: Nov-2007



Hardware

CPU Name: Intel Xeon L5420
 CPU Characteristics: 1333 MHz system bus
 CPU MHz: 2500
 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: 12 MB I+D on chip per chip, 6 MB shared / 2 cores
 L3 Cache: None
 Other Cache: None
 Memory: 16 GB (8x2 GB PC2-5300F, 2 rank, CAS 5-5-5, with ECC)
 Disk Subsystem: Seagate ST973451SS (SAS, 73GB, 15000rpm)
 Other Hardware: None

Software

Operating System: SUSE Linux Enterprise Server 10 (x86_64) SP1, Kernel 2.6.16.46-0.12-smp
 Compiler: Intel C++ Compiler for Linux32 and Linux64 Version 10.1 - Build 20070725
 Auto Parallel: No
 File System: ext2
 System State: Multiuser, Runlevel 3
 Base Pointers: 32-bit
 Peak Pointers: Not Applicable
 Other Software: MicroQuill SmartHeap Library, Version 8.1
 binutils-2.17.tar.gz, Version 2.17



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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	8	<u>623</u>	<u>125</u>	620	126	627	125							
401.bzip2	8	<u>871</u>	<u>88.7</u>	885	87.2	871	88.7							
403.gcc	8	715	90.1	717	89.8	<u>715</u>	<u>90.1</u>							
429.mcf	8	920	79.3	<u>920</u>	<u>79.3</u>	917	79.6							
445.gobmk	8	<u>665</u>	<u>126</u>	666	126	664	126							
456.hammer	8	725	103	726	103	<u>725</u>	<u>103</u>							
458.sjeng	8	797	121	<u>797</u>	<u>121</u>	798	121							
462.libquantum	8	3262	50.8	<u>3262</u>	<u>50.8</u>	3261	50.8							
464.h264ref	8	854	207	855	207	<u>854</u>	<u>207</u>							
471.omnetpp	8	725	69.0	<u>726</u>	<u>68.9</u>	735	68.1							
473.astar	8	759	74.0	765	73.4	<u>764</u>	<u>73.5</u>							
483.xalancbmk	8	472	117	<u>471</u>	<u>117</u>	471	117							

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

General Notes

This result has been produced with binaries provided and compiled by Intel.

BIOS configuration:

Hardware Prefetch = Disable, Adjacent Sector Prefetch = Disable

For information about Fujitsu Siemens Computers please see:

<http://www.fujitsu-siemens.com>

Base Compiler Invocation

C benchmarks:

icc

C++ benchmarks:

icpc

Base Portability Flags

400.perlbench: -DSPEC_CPU_LINUX_IA32
462.libquantum: -DSPEC_CPU_LINUX
483.xalancbmk: -DSPEC_CPU_LINUX



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Base Optimization Flags

C benchmarks:

```
-fast -inline-calloc -opt-malloc-options=3
```

C++ benchmarks:

```
-xT -ipo -O3 -no-prec-div -Wl,-z,muldefs  
-L/home/cmplr/usr3/alrahate/cpu2006.1.0/lib -lsmartheap
```

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-ic10.1-INT-ia32-linux-flags.20090714.04.html>

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

<http://www.spec.org/cpu2006/flags/Intel-ic10.1-INT-ia32-linux-flags.20090714.04.xml>

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

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