



SPEC® CINT2006 Result

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Fujitsu Siemens Computers

SPECint®_rate2006 = Not Run

PRIMERGY TX300 S4, Intel Xeon E5405, 2.0 GHz

SPECint_rate_base2006 = 85.0

CPU2006 license: 22

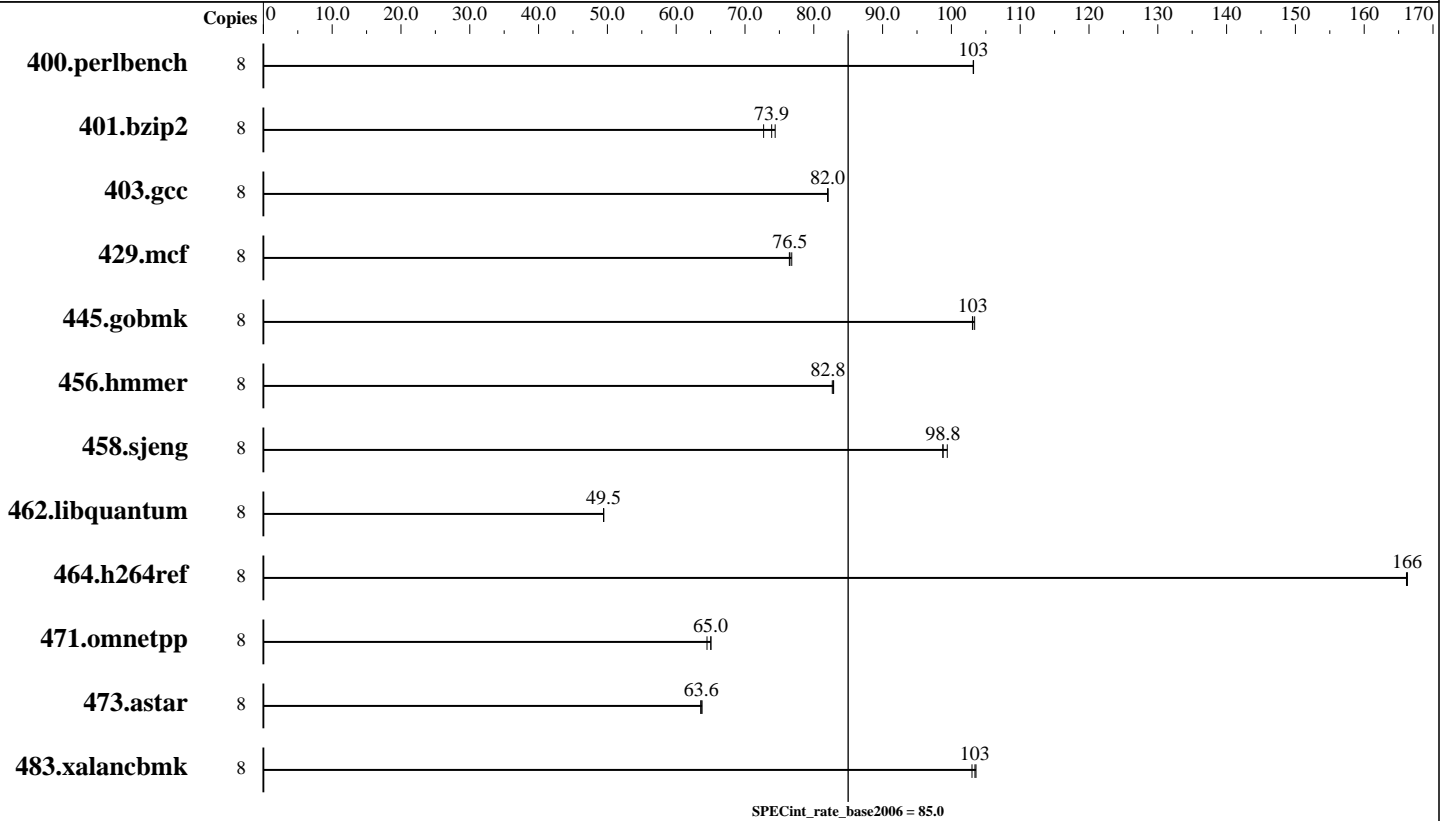
Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Jan-2008

Hardware Availability: Dec-2007

Software Availability: Nov-2007



Hardware

CPU Name: Intel Xeon E5405
 CPU Characteristics: 1333 MHz system bus
 CPU MHz: 2000
 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	757	103	<u>757</u>	<u>103</u>	758	103							
401.bzip2	8	1038	74.4	<u>1045</u>	<u>73.9</u>	1062	72.7							
403.gcc	8	785	82.0	<u>785</u>	<u>82.0</u>	785	82.1							
429.mcf	8	950	76.8	<u>953</u>	<u>76.5</u>	954	76.4							
445.gobmk	8	812	103	814	103	<u>814</u>	<u>103</u>							
456.hammer	8	903	82.7	<u>901</u>	<u>82.8</u>	901	82.9							
458.sjeng	8	974	99.4	980	98.8	<u>980</u>	<u>98.8</u>							
462.libquantum	8	3352	49.5	3351	49.5	<u>3352</u>	<u>49.5</u>							
464.h264ref	8	<u>1065</u>	<u>166</u>	1066	166	1065	166							
471.omnetpp	8	<u>769</u>	<u>65.0</u>	769	65.0	775	64.5							
473.astar	8	881	63.8	884	63.6	<u>882</u>	<u>63.6</u>							
483.xalancbmk	8	<u>534</u>	<u>103</u>	533	104	536	103							

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-ia32-intel64-linux-flags.20090714.01.html>

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

<http://www.spec.org/cpu2006/flags/Intel-ic10-ia32-intel64-linux-flags.20090714.01.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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