SPEC® CINT2006 Result

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Fujitsu Siemens Computers

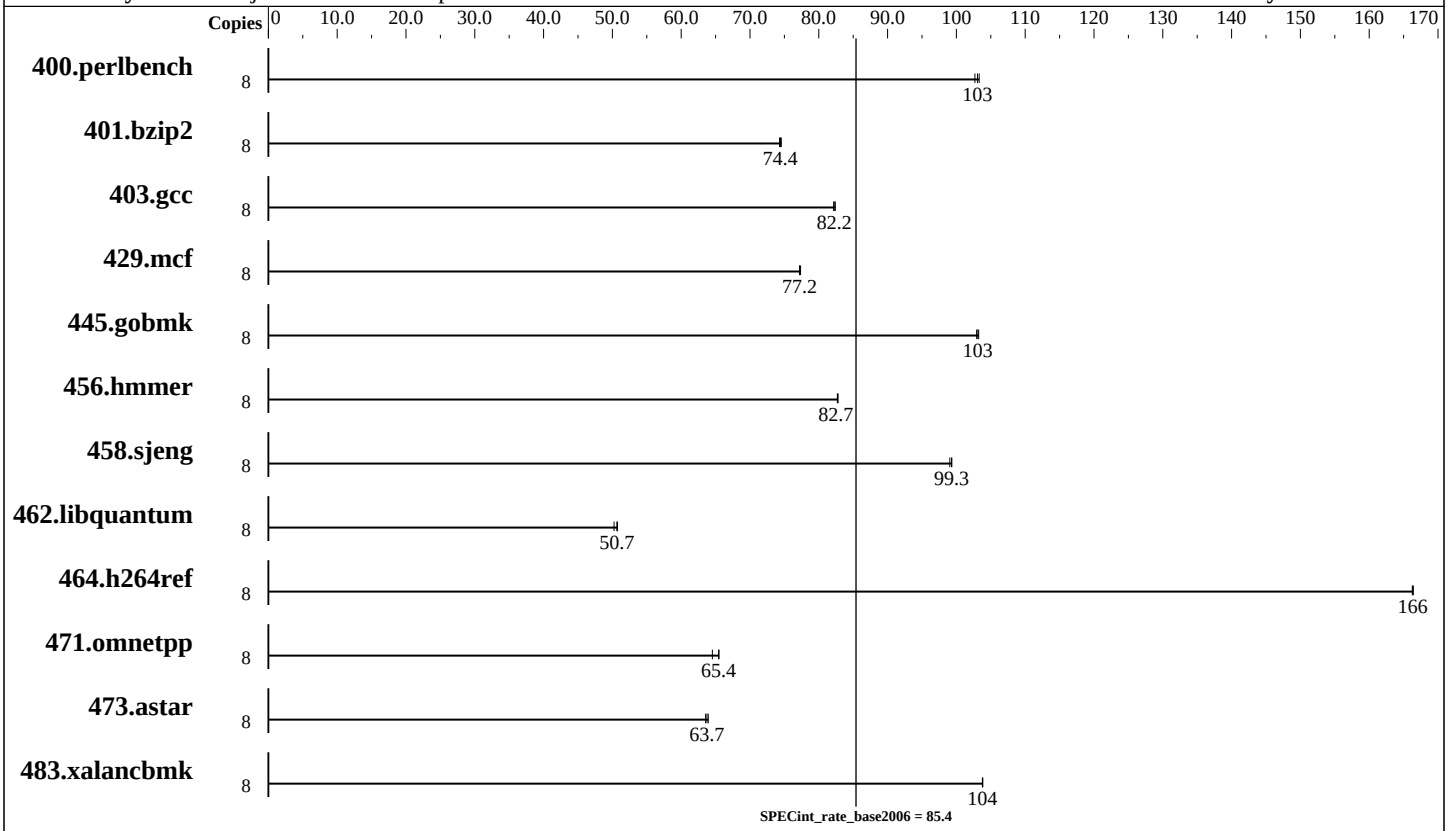
PRIMERGY RX200 S4, Intel Xeon processor E5405, 2.0 GHz

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 85.4

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

Test date: Nov-2007
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:	Smart Heap 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	761	103	**758**	**103**							
401.bzip2	8	1036	74.5	1039	74.3	**1037**	**74.4**							
403.gcc	8	782	82.4	784	82.2	**783**	**82.2**							
429.mcf	8	945	77.2	943	77.4	**945**	**77.2**							
445.gobmk	8	813	103	815	103	**814**	**103**							
456.hmmer	8	902	82.8	**902**	**82.7**	903	82.7							
458.sjeng	8	975	99.3	**975**	**99.3**	977	99.0							
462.libquantum	8	3299	50.2	**3273**	**50.7**	3267	50.7							
464.h264ref	8	**1064**	**166**	1064	166	1065	166							
471.omnetpp	8	775	64.5	**764**	**65.4**	763	65.5							
473.astar	8	**881**	**63.7**	878	63.9	884	63.5							
483.xalancbmk	8	532	104	532	104	**532**	**104**							

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`

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.20090713.02.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.20090713.02.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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