



SPEC[®] CINT2006 Result

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Fujitsu Siemens Computers

SPECint[®]2006 = 12.3

CELSIUS M440 Pentium 4 670

SPECint_base2006 = 11.6

CPU2006 license: 22

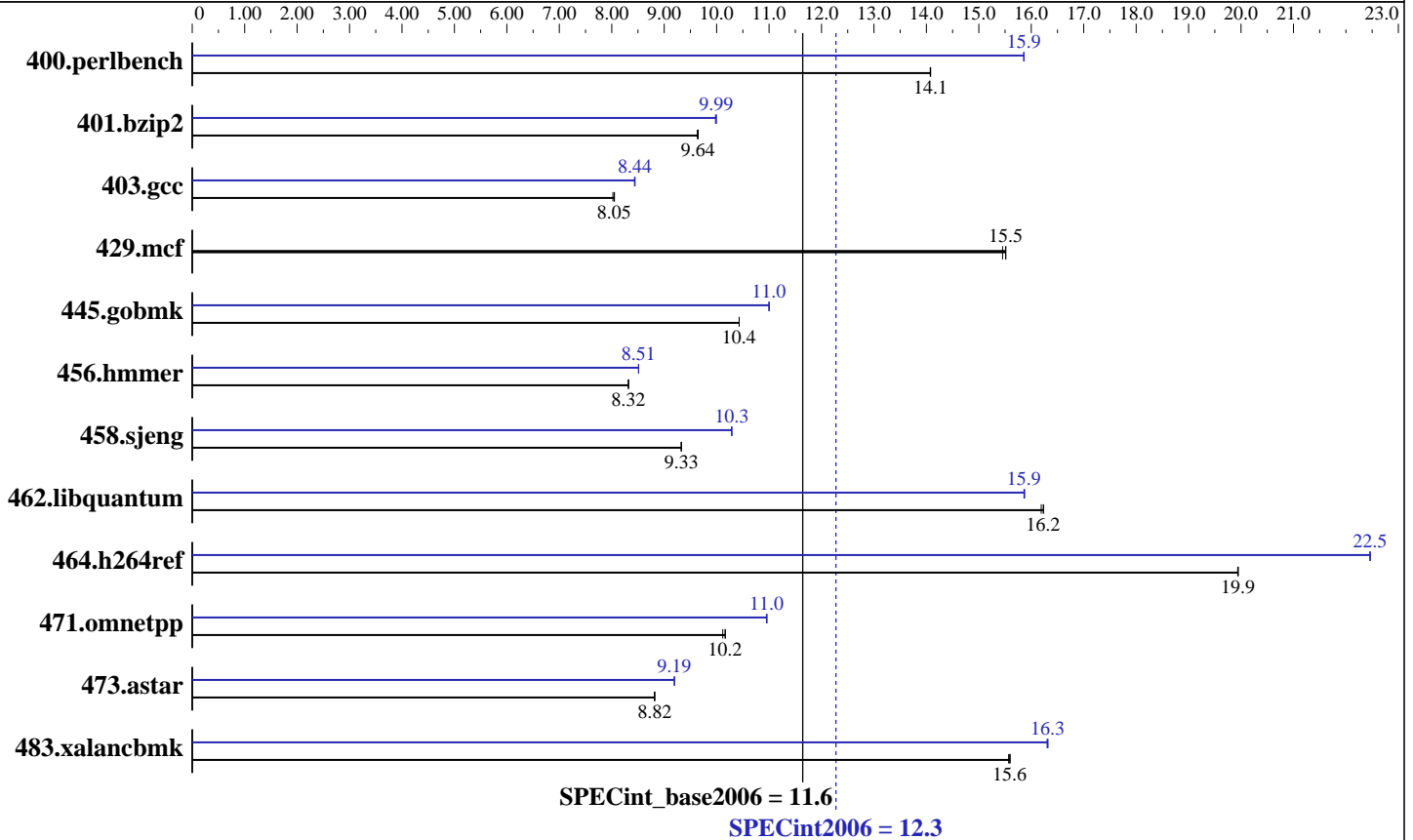
Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Apr-2006

Hardware Availability: Sep-2005

Software Availability: May-2006



Hardware

CPU Name: Intel Pentium 4
 CPU Characteristics: Pentium 4 670
 CPU MHz: 3800
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1 chip
 Primary Cache: 12 K micro-ops I + 16 KB D on chip per chip
 Secondary Cache: 2 MB I+D on chip per chip
 L3 Cache: None
 Other Cache: None
 Memory: 4 GB (4 x 1 GB PC2-4200 2 rank DDR2 ECC modules)
 Disk Subsystem: Maxtor 6Y160M0 (Serial ATA 7200 RPM)
 Other Hardware: None

Software

Operating System: Windows XP Professional, Service Pack 2
 Compiler: Intel C++ Compiler for 32-bit applications (Version 9.1)
 Intel Fortran Compiler for 32-bit applications (Version 9.1)
 Microsoft Visual Studio .NET 2003 (libr. & linker)
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: SmartHeap Library, Version 8: shlW32M.lib



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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	694	14.1	694	14.1	694	14.1	616	15.9	616	15.9	616	15.9
401.bzip2	1002	9.63	1000	9.65	1001	9.64	966	9.99	967	9.98	966	9.99
403.gcc	1004	8.02	1000	8.05	1000	8.05	953	8.44	954	8.44	955	8.43
429.mcf	590	15.5	588	15.5	588	15.5	590	15.5	588	15.5	588	15.5
445.gobmk	1006	10.4	1006	10.4	1006	10.4	954	11.0	954	11.0	954	11.0
456.hammer	1122	8.32	1122	8.32	1122	8.32	1096	8.51	1096	8.51	1096	8.51
458.sjeng	1297	9.33	1298	9.32	1297	9.33	1176	10.3	1176	10.3	1176	10.3
462.libquantum	1280	16.2	1276	16.2	1277	16.2	1305	15.9	1306	15.9	1306	15.9
464.h264ref	1110	19.9	1110	19.9	1109	19.9	985	22.5	985	22.5	985	22.5
471.omnetpp	618	10.1	615	10.2	615	10.2	570	11.0	571	10.9	570	11.0
473.astar	797	8.81	796	8.82	796	8.82	763	9.20	763	9.19	764	9.19
483.xalancbmk	443	15.6	442	15.6	443	15.6	423	16.3	423	16.3	423	16.3

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

General Notes

For information about Fujitsu Siemens Computers in your country please see:
<http://fujitsu-siemens.com/countries>

Base Compiler Invocation

C benchmarks:
icl -Qc99

C++ benchmarks:
icl -Qcxx-features

Base Portability Flags

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

Base Optimization Flags

C benchmarks:
-fast -F512000000 shlw32M.lib -link -FORCE:MULTIPLE

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Base Optimization Flags (Continued)

C++ benchmarks:

-fast -F512000000 shlW32M.lib -link -FORCE:MULTIPLE

Base Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

Peak Compiler Invocation

C benchmarks (except as noted below):

icl

429.mcf: icl -Qc99

462.libquantum: icl -Qc99

C++ benchmarks (except as noted below):

icl

471.omnetpp: icl -Qcxx-features

Peak Portability Flags

403.gcc: -DSPEC_CPU_WIN32

464.h264ref: -DWIN32 -DSPEC_CPU_NO_INTTYPES

Peak Optimization Flags

C benchmarks:

400.perlbench: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast shlW32M.lib

401.bzip2: Same as 400.perlbench

403.gcc: Same as 400.perlbench

429.mcf: basepeak = yes

445.gobmk: Same as 400.perlbench

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Peak Optimization Flags (Continued)

456.hmmmer: Same as 400.perlbench

458.sjeng: Same as 400.perlbench

462.libquantum: Same as 400.perlbench

464.h264ref: Same as 400.perlbench

C++ benchmarks:

471.omnetpp: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast shlW32M.lib
-link -FORCE:MULTIPLE

473.astar: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast shlW32M.lib

483.xalancbmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -F512000000
shlW32M.lib

Peak 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.20090715.01.html

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

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090715.01.xml

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Tested with SPEC CPU2006 v91.

Report generated on Tue Jul 22 10:00:22 2014 by SPEC CPU2006 PS/PDF formatter v6932.

Originally published on 24 August 2006.