



SPEC[®] CINT2006 Result

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Bull SAS

SPECint[®]2006 = 10.6

NovaScale T860 (1.60 GHz, Intel Xeon 5110)

SPECint_base2006 = 10.1

CPU2006 license: 20

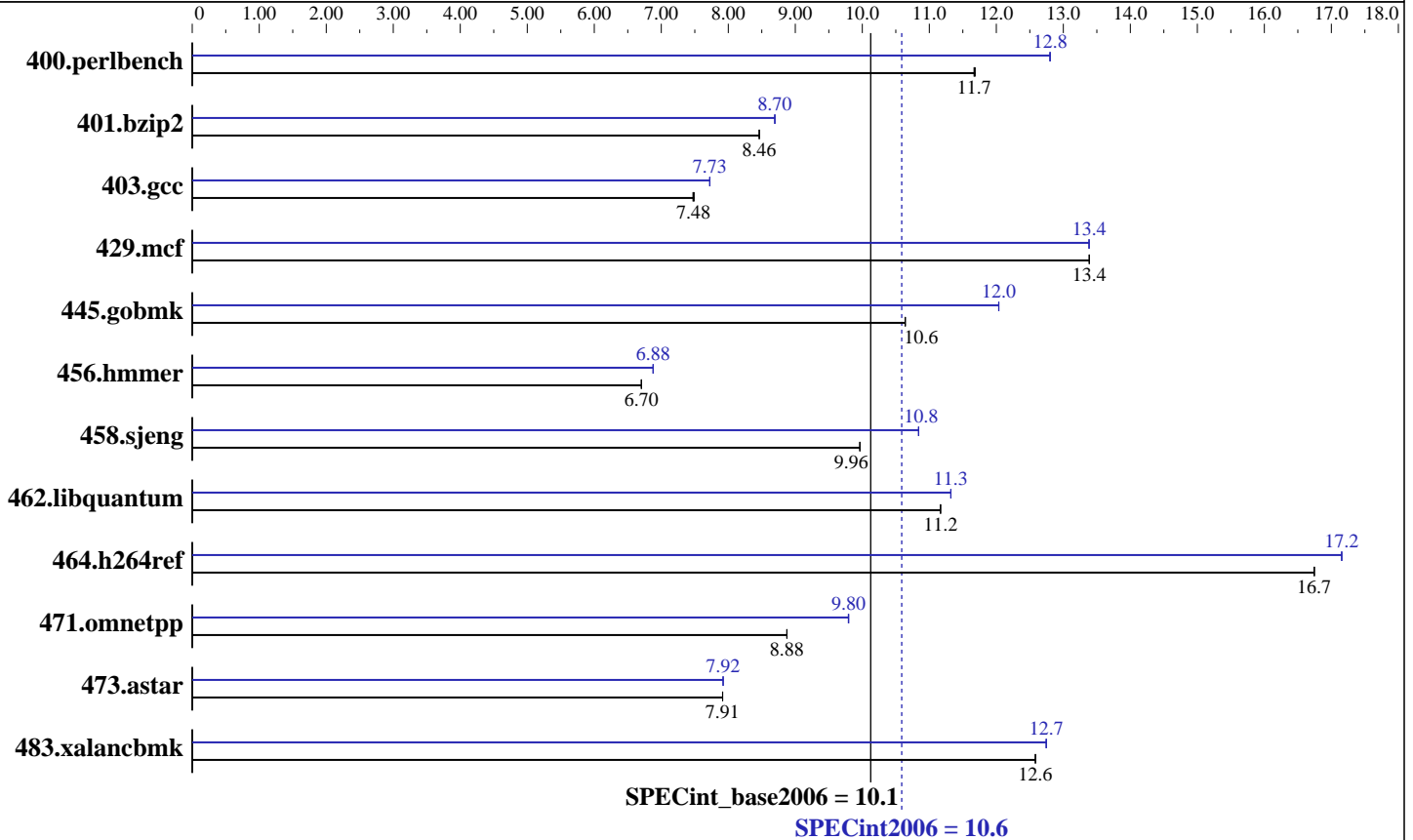
Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: Mar-2007

Hardware Availability: Sep-2006

Software Availability: Nov-2006



Hardware

CPU Name: Intel Xeon 5110
 CPU Characteristics: 1.60 GHz, 1066MHz bus
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 2 cores/chip
 CPU(s) orderable: 1,2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 4 MB I+D on chip per chip
 L3 Cache: None
 Other Cache: None
 Memory: 12 GB (667 MHz ECC CL5 DDR2 FB-DIMM)
 Disk Subsystem: 2x36GB SAS 15000 rpm
 Other Hardware: None

Software

Operating System: Windows Server 2003 Enterprise X64 Edition
 Compiler: Intel C++ Compiler 9.1 for 32-bit apps, Build 20061103Z Package ID: W_CC_P_9.1.033 Microsoft Visual Studio .NET 2003 (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 (shIW32M.lib)



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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	836	11.7	837	11.7	837	11.7	763	12.8	763	12.8	763	12.8
401.bzip2	1140	8.46	1141	8.46	1141	8.46	1110	8.70	1110	8.70	1110	8.69
403.gcc	1075	7.49	1076	7.48	1077	7.47	1042	7.73	1042	7.73	1043	7.72
429.mcf	681	13.4	681	13.4	681	13.4	681	13.4	681	13.4	682	13.4
445.gobmk	986	10.6	986	10.6	986	10.6	871	12.0	871	12.0	872	12.0
456.hammer	1392	6.70	1392	6.70	1392	6.70	1356	6.88	1356	6.88	1357	6.88
458.sjeng	1214	9.96	1214	9.96	1214	9.96	1116	10.8	1116	10.8	1116	10.8
462.libquantum	1856	11.2	1855	11.2	1855	11.2	1830	11.3	1830	11.3	1831	11.3
464.h264ref	1321	16.7	1322	16.7	1322	16.7	1290	17.2	1290	17.2	1290	17.2
471.omnetpp	704	8.87	704	8.88	704	8.88	638	9.80	638	9.80	638	9.79
473.astar	887	7.92	887	7.91	887	7.91	886	7.92	886	7.92	886	7.92
483.xalancbmk	548	12.6	548	12.6	548	12.6	541	12.7	541	12.7	542	12.7

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

General Notes

Other Configuration Notes
/numproc=1 flags was added to boot.ini invoke
uniprocessor environment

Base Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99

C++ benchmarks:
icl -Qvc7.1

Base Portability Flags

403.gcc: -DSPEC_CPU_WIN32

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Base Portability Flags (Continued)

464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32

Base Optimization Flags

C benchmarks:
-fast /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

C++ benchmarks:
-fast -Qcxx_features /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

Base Other Flags

C benchmarks:
403.gcc: -Dalloca=_alloca

Peak Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99

C++ benchmarks:
icl -Qvc7.1

Peak Portability Flags

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

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

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Peak Optimization Flags (Continued)

403.gcc: Same as 400.perlbench

429.mcf: -fast /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

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

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/flags.20090714.00.html>

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

<http://www.spec.org/cpu2006/flags/flags.20090714.00.xml>

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