



SPEC® CINT2006 Result

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Bull SAS

SPECint®_rate2006 = 32.6

NovaScale B260 (Intel Xeon processor 5110,1.60GHz)

SPECint_rate_base2006 = 31.4

CPU2006 license: 20

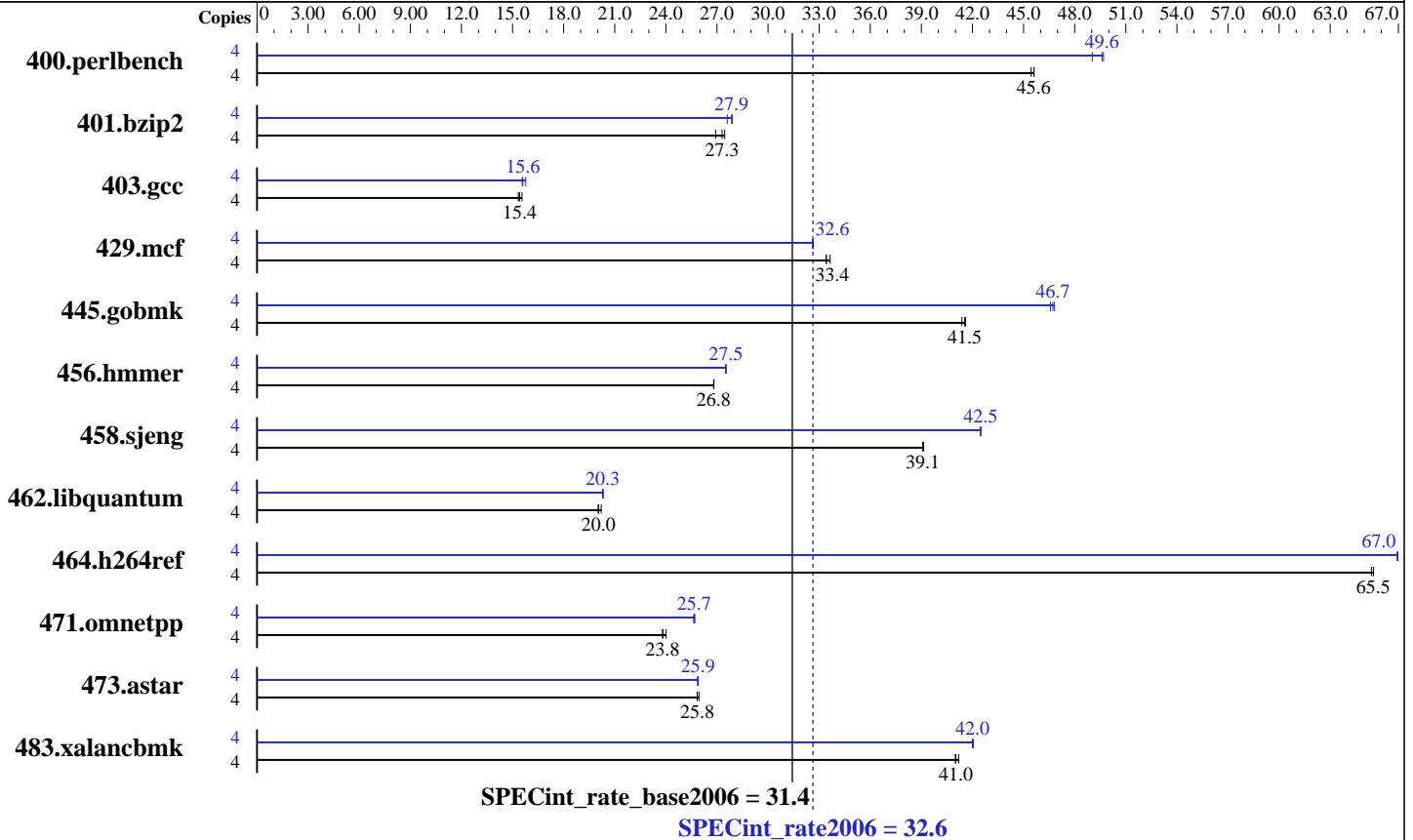
Test date: Dec-2006

Test sponsor: Bull SAS

Hardware Availability: Dec-2006

Tested by: Bull SAS

Software Availability: Dec-2006



Hardware

CPU Name: Intel Xeon 5110
 CPU Characteristics: 1.60 GHz, 4MB L2, 1066MHz bus
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1 to 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: 8 GB (2GB DIMMx4, FB-DIMM PC2-5300F ECC CL5)
 Disk Subsystem: 73 GB SAS, 10000RPM
 Other Hardware: None

Software

Operating System: Windows Server 2003 Enterprise Edition (32 bits) Service Pack1
 Compiler: Intel C++ Compiler for IA32 version 9.1
 Package ID W_CC_C_9.1.033 Build no 20061103Z
 Microsoft Visual Studio .NET 2003 (lib & linker)
 MicroQuill SmartHeap Library 8.0 (shlW32M.lib)
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: None



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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	4	860	45.4	857	45.6	857	45.6	4	797	49.0	786	49.7	788	49.6
401.bzip2	4	1434	26.9	1414	27.3	1406	27.5	4	1398	27.6	1385	27.9	1384	27.9
403.gcc	4	2089	15.4	2099	15.3	2070	15.6	4	2068	15.6	2041	15.8	2063	15.6
429.mcf	4	1091	33.4	1092	33.4	1084	33.6	4	1118	32.6	1117	32.7	1119	32.6
445.gobmk	4	1009	41.6	1014	41.4	1010	41.5	4	896	46.8	898	46.7	901	46.6
456.hammer	4	1392	26.8	1392	26.8	1391	26.8	4	1356	27.5	1356	27.5	1356	27.5
458.sjeng	4	1239	39.1	1238	39.1	1237	39.1	4	1139	42.5	1140	42.5	1139	42.5
462.libquantum	4	4134	20.0	4138	20.0	4102	20.2	4	4077	20.3	4086	20.3	4082	20.3
464.h264ref	4	1353	65.4	1351	65.5	1351	65.5	4	1323	66.9	1322	67.0	1322	67.0
471.omnetpp	4	1050	23.8	1050	23.8	1041	24.0	4	975	25.6	973	25.7	974	25.7
473.astar	4	1087	25.8	1086	25.8	1082	25.9	4	1086	25.9	1085	25.9	1084	25.9
483.xalancbmk	4	673	41.0	673	41.0	670	41.2	4	657	42.0	656	42.0	657	42.0

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

Base Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99
C++ benchmarks:
icl -Qvc7.1

Base Portability Flags

403.gcc: -DSPEC_CPU_WIN32
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



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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:

-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

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.20090715.html>

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

<http://www.spec.org/cpu2006/flags/flags.20090715.xml>



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