



SPEC® CINT2006 Result

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Bull SAS

SPECint®_rate2006 = 41.8

NovaScale B280 (Intel Xeon processor 5130,2.0GHz)

SPECint_rate_base2006 = 40.3

CPU2006 license: 20

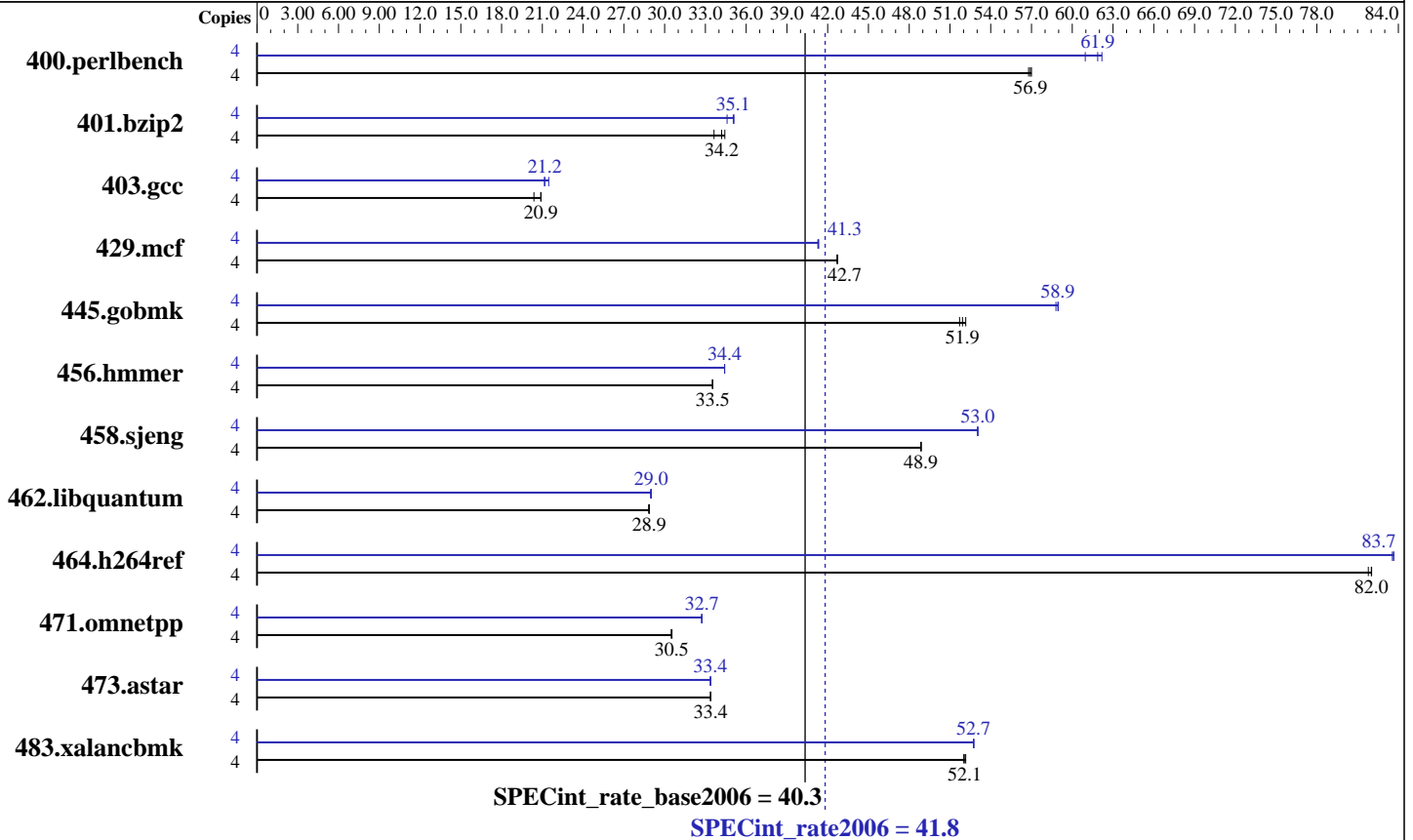
Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: Dec-2006

Hardware Availability: Jan-2007

Software Availability: Dec-2006



Hardware

CPU Name: Intel Xeon 5130
 CPU Characteristics: 2.0 GHz, 4MB L2, 1333MHz bus
 CPU MHz: 2000
 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 (1GB DIMMx8, 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)
 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						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	4	687	56.9	686	57.0	688	56.8	4	641	61.0	628	62.2	632	61.9
401.bzip2	4	1148	33.6	1129	34.2	1121	34.4	4	1116	34.6	1101	35.1	1100	35.1
403.gcc	4	1580	20.4	1542	20.9	1541	20.9	4	1520	21.2	1500	21.5	1522	21.2
429.mcf	4	854	42.7	854	42.7	855	42.7	4	883	41.3	884	41.3	882	41.3
445.gobmk	4	804	52.2	811	51.7	808	51.9	4	712	59.0	712	58.9	714	58.8
456.hammer	4	1113	33.5	1113	33.5	1113	33.5	4	1084	34.4	1085	34.4	1084	34.4
458.sjeng	4	990	48.9	990	48.9	991	48.9	4	913	53.0	912	53.0	912	53.1
462.libquantum	4	2870	28.9	2876	28.8	2870	28.9	4	2856	29.0	2862	29.0	2856	29.0
464.h264ref	4	1082	81.8	1079	82.0	1079	82.0	4	1059	83.6	1058	83.7	1058	83.7
471.omnetpp	4	820	30.5	819	30.5	819	30.5	4	764	32.7	764	32.7	763	32.8
473.astar	4	841	33.4	841	33.4	841	33.4	4	842	33.4	841	33.4	841	33.4
483.xalancbmk	4	529	52.2	530	52.1	531	52.0	4	523	52.7	523	52.8	523	52.7

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.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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