



SPEC[®] CINT2006 Result

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Bull SAS

SPECint[®]_rate2006 = 49.8

NovaScale B280 (Intel Xeon processor 5150,2.66GHz)

SPECint_rate_base2006 = 48.3

CPU2006 license: 20

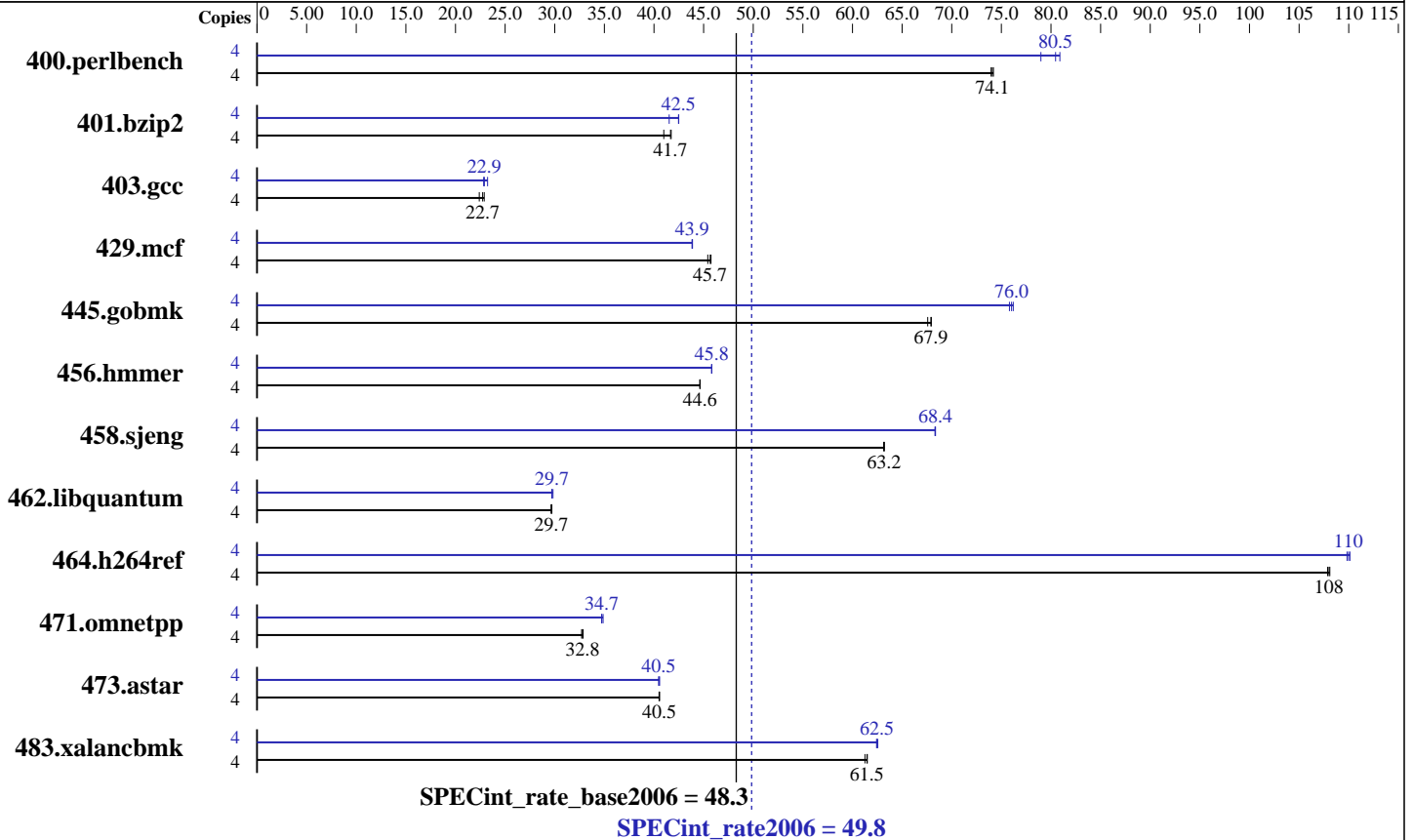
Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: Dec-2006

Hardware Availability: Jan-2007

Software Availability: Dec-2006



Hardware

CPU Name: Intel Xeon 5150
 CPU Characteristics: 2.66 GHz, 4MB L2, 1333MHz bus
 CPU MHz: 2660
 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	<u>527</u>	<u>74.1</u>	527	74.2	528	74.0	4	495	79.0	<u>486</u>	<u>80.5</u>	483	80.9
401.bzip2	4	942	41.0	925	41.7	<u>926</u>	<u>41.7</u>	4	930	41.5	908	42.5	<u>909</u>	<u>42.5</u>
403.gcc	4	1406	22.9	1438	22.4	<u>1416</u>	<u>22.7</u>	4	1410	22.8	1386	23.2	<u>1405</u>	<u>22.9</u>
429.mcf	4	797	45.7	<u>799</u>	<u>45.7</u>	803	45.4	4	832	43.8	<u>832</u>	<u>43.9</u>	831	43.9
445.gobmk	4	<u>618</u>	<u>67.9</u>	618	67.9	621	67.6	4	<u>552</u>	<u>76.0</u>	551	76.2	553	75.8
456.hammer	4	836	44.6	<u>836</u>	<u>44.6</u>	836	44.6	4	815	45.8	814	45.8	<u>815</u>	<u>45.8</u>
458.sjeng	4	<u>766</u>	<u>63.2</u>	766	63.2	767	63.1	4	708	68.4	<u>708</u>	<u>68.4</u>	709	68.3
462.libquantum	4	2790	29.7	2797	29.6	<u>2794</u>	<u>29.7</u>	4	2779	29.8	<u>2790</u>	<u>29.7</u>	2791	29.7
464.h264ref	4	821	108	819	108	<u>820</u>	<u>108</u>	4	806	110	804	110	<u>805</u>	<u>110</u>
471.omnetpp	4	<u>762</u>	<u>32.8</u>	761	32.9	764	32.7	4	720	34.7	717	34.9	<u>720</u>	<u>34.7</u>
473.astar	4	692	40.6	<u>693</u>	<u>40.5</u>	693	40.5	4	<u>694</u>	<u>40.5</u>	692	40.6	694	40.5
483.xalancbmk	4	449	61.5	<u>449</u>	<u>61.5</u>	451	61.3	4	<u>442</u>	<u>62.5</u>	441	62.5	442	62.4

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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For other inquiries, please contact webmaster@spec.org.

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