



SPEC® CINT2006 Result

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Bull SAS

SPECint®_rate2006 = 21.3

NovaScale T810 (Intel Xeon processor 3040,1.86GHz)

SPECint_rate_base2006 = 20.4

CPU2006 license: 20

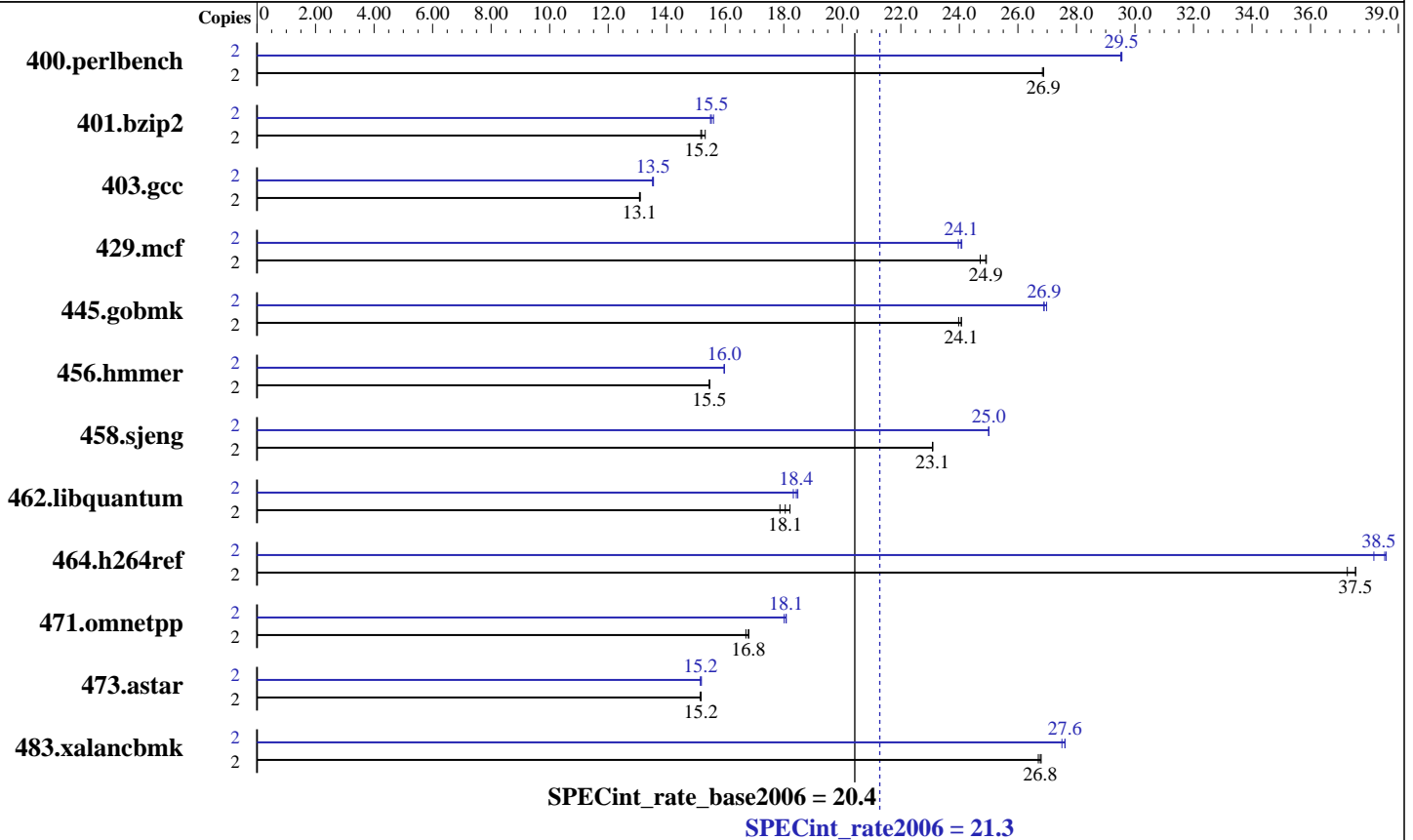
Test date: Mar-2007

Test sponsor: Bull SAS

Hardware Availability: Feb-2007

Tested by: Bull SAS

Software Availability: Dec-2006



Hardware

CPU Name: Intel Xeon 3040
 CPU Characteristics: 1.86 GHz, 4MB L2, 1066MHz bus
 CPU MHz: 1860
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1 chip
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 2 MB I+D on chip per chip
 L3 Cache: None
 Other Cache: None
 Memory: 8 GB (2GB DIMMx4, PC2-5300E ECC CL5)
 Disk Subsystem: 73 GB SAS, 10000RPM
 Other Hardware: None

Software

Operating System: Windows Server 2003 Enterprise Edition X64 Edition Service Pack 1
 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	2	727	26.9	728	26.8	<u>727</u>	<u>26.9</u>	2	661	29.6	<u>661</u>	<u>29.5</u>	662	29.5
401.bzip2	2	1273	15.2	1260	15.3	<u>1270</u>	<u>15.2</u>	2	1246	15.5	1237	15.6	<u>1243</u>	<u>15.5</u>
403.gcc	2	<u>1232</u>	<u>13.1</u>	1229	13.1	1232	13.1	2	1191	13.5	<u>1189</u>	<u>13.5</u>	1188	13.5
429.mcf	2	738	24.7	<u>732</u>	<u>24.9</u>	732	24.9	2	761	24.0	<u>758</u>	<u>24.1</u>	757	24.1
445.gobmk	2	875	24.0	872	24.1	<u>872</u>	<u>24.1</u>	2	780	26.9	<u>780</u>	<u>26.9</u>	778	27.0
456.hammer	2	1207	15.5	1207	15.5	<u>1207</u>	<u>15.5</u>	2	1169	16.0	<u>1169</u>	<u>16.0</u>	1169	16.0
458.sjeng	2	1048	23.1	<u>1048</u>	<u>23.1</u>	1049	23.1	2	<u>968</u>	<u>25.0</u>	968	25.0	968	25.0
462.libquantum	2	2319	17.9	2275	18.2	<u>2296</u>	<u>18.1</u>	2	2261	18.3	<u>2249</u>	<u>18.4</u>	2242	18.5
464.h264ref	2	<u>1179</u>	<u>37.5</u>	1188	37.3	1179	37.5	2	1147	38.6	1160	38.2	<u>1149</u>	<u>38.5</u>
471.omnetpp	2	748	16.7	<u>745</u>	<u>16.8</u>	744	16.8	2	694	18.0	<u>691</u>	<u>18.1</u>	691	18.1
473.astar	2	927	15.1	<u>925</u>	<u>15.2</u>	925	15.2	2	927	15.2	<u>926</u>	<u>15.2</u>	925	15.2
483.xalancbmk	2	517	26.7	<u>516</u>	<u>26.8</u>	515	26.8	2	502	27.5	<u>500</u>	<u>27.6</u>	500	27.6

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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