SPEC® CINT2006 Result

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Bull SAS

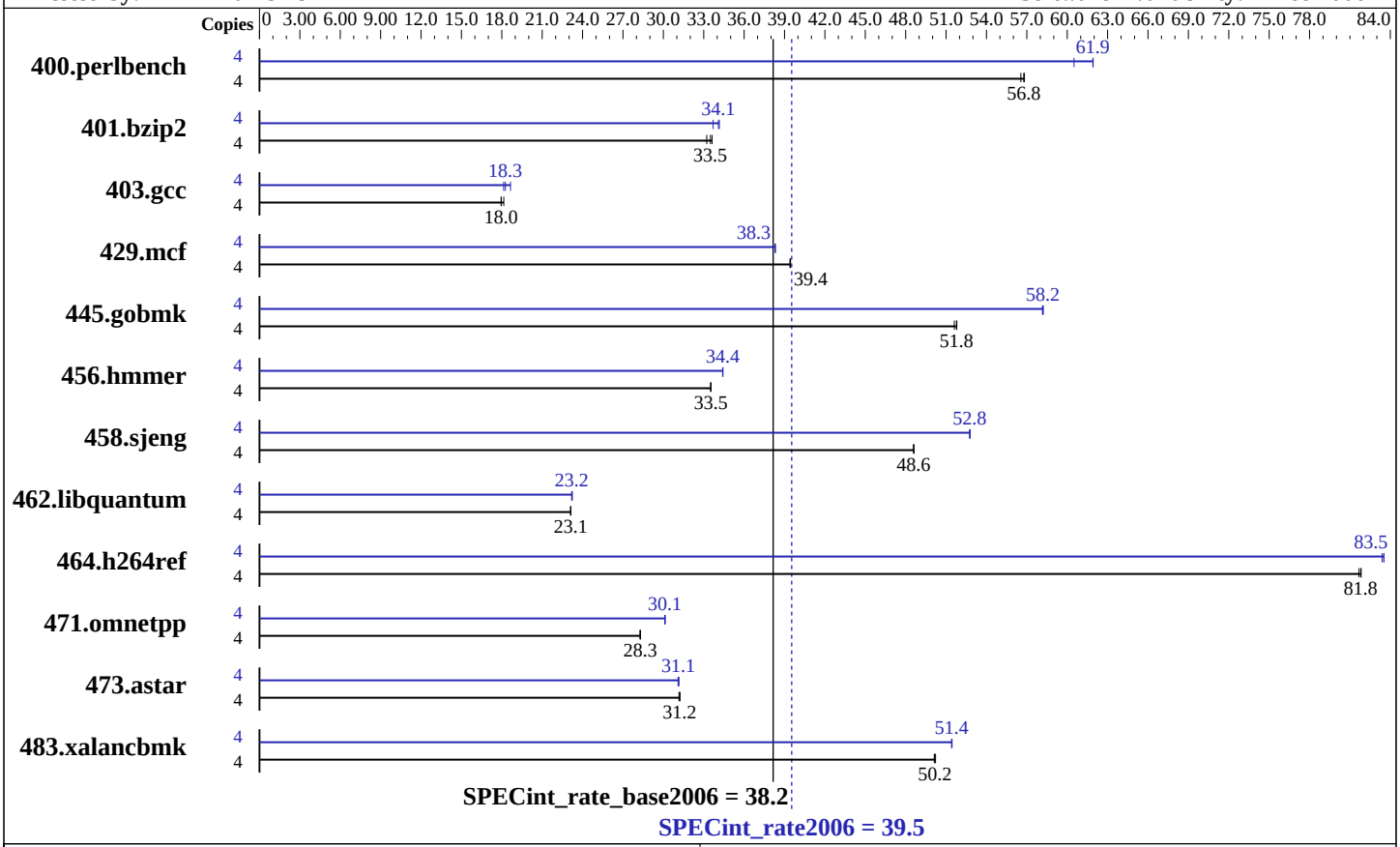
NovaScale B260 (Intel Xeon processor 5130,2.0GHz)

SPECint®_rate2006 = 39.5

SPECint_rate_base2006 = 38.2

CPU2006 license: 20
Test sponsor: Bull SAS
Tested by: Bull SAS

Test date: Dec-2006
Hardware Availability: Dec-2006
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 (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)
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	MicroQuill SmartHeap Library 8.0 (shlW32M.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	691	56.6	**688**	**56.8**	688	56.8	4	646	60.5	631	61.9	**631**	**61.9**
401.bzip2	4	1162	33.2	**1152**	**33.5**	1148	33.6	4	1146	33.7	**1132**	**34.1**	1130	34.2
403.gcc	4	1774	18.1	1794	17.9	**1793**	**18.0**	4	**1763**	**18.3**	1775	18.1	1727	18.6
429.mcf	4	925	39.4	**925**	**39.4**	926	39.4	4	**952**	**38.3**	952	38.3	953	38.3
445.gobmk	4	810	51.8	**811**	**51.8**	813	51.6	4	721	58.2	**721**	**58.2**	721	58.2
456.hmmer	4	1113	33.5	1113	33.5	**1113**	**33.5**	4	1085	34.4	1084	34.4	**1084**	**34.4**
458.sjeng	4	996	48.6	**996**	**48.6**	996	48.6	4	918	52.7	**917**	**52.8**	917	52.8
462.libquantum	4	3586	23.1	**3585**	**23.1**	3584	23.1	4	3566	23.2	**3573**	**23.2**	3573	23.2
464.h264ref	4	1084	81.7	**1082**	**81.8**	1082	81.8	4	1062	83.4	**1060**	**83.5**	1060	83.5
471.omnetpp	4	884	28.3	**884**	**28.3**	884	28.3	4	830	30.1	830	30.1	**830**	**30.1**
473.astar	4	901	31.2	899	31.2	**900**	**31.2**	4	903	31.1	**902**	**31.1**	901	31.2
483.xalancbmk	4	551	50.1	**550**	**50.2**	550	50.2	4	537	51.4	**537**	**51.4**	537	51.4

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
```

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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