SPEC® CINT2006 Result
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Bull SAS

NovaScale B260 (Intel Xeon processor E5335,2.00GHz)

$SPECint^®\_rate2006 = \quad 61.2$

$SPECint\_rate\_base2006 = \quad 59.5$

CPU2006 license: 20　　　　　　　　　　　　　　　　　　　　　**Test date:** Feb-2007
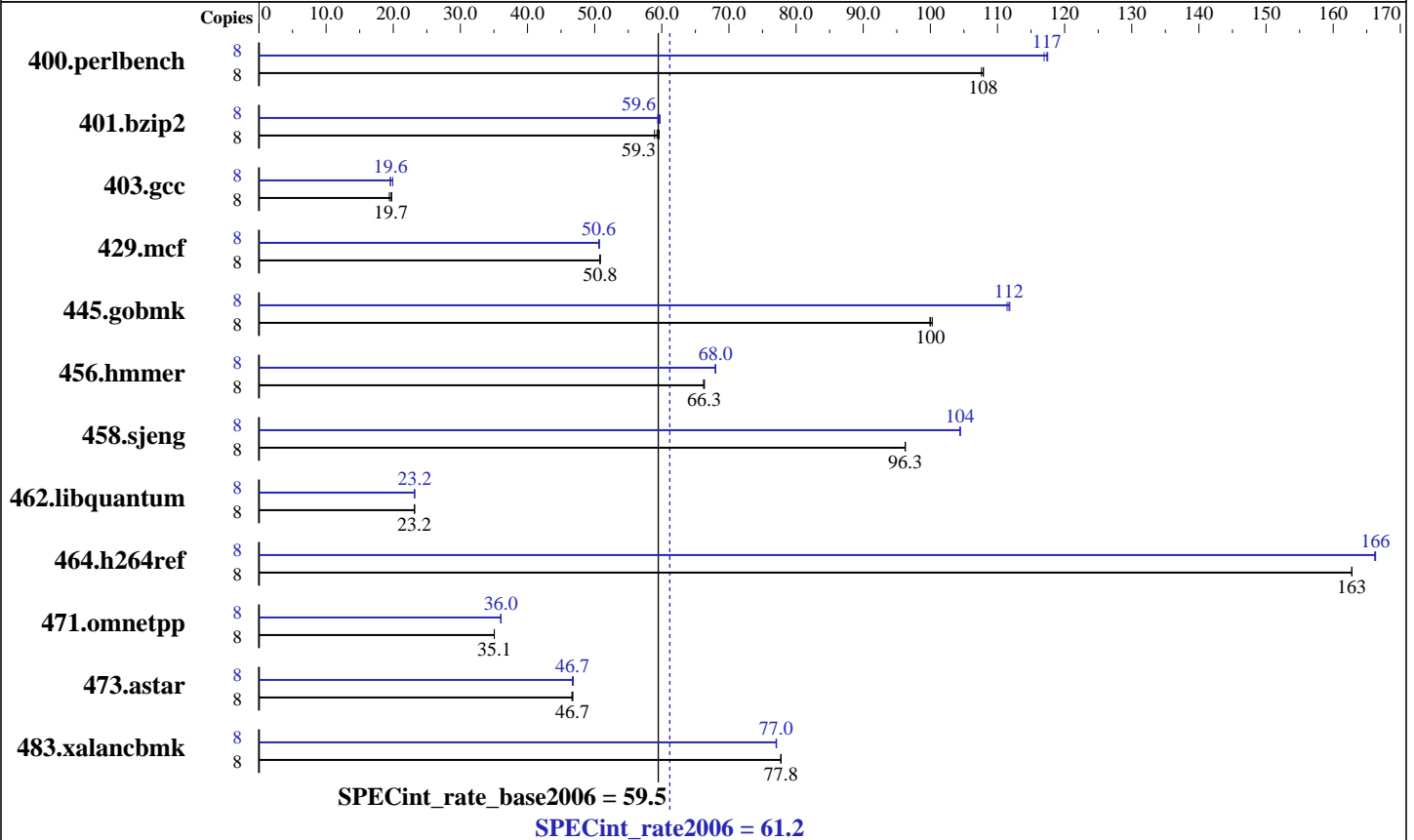**Test sponsor:** Bull SAS　　　　　　　　　　　　　　　　**Hardware Availability:** Jan-2007
Tested by: Bull SAS　　　　　　　　　　　　　　　　**Software Availability:** Dec-2006

Benchmark	Copies	Peak	Base
400.perlbench	8 / 8	117	108
401.bzip2	8 / 8	59.6	59.3
403.gcc	8 / 8	19.6	19.7
429.mcf	8 / 8	50.6	50.8
445.gobmk	8 / 8	112	100
456.hmmer	8 / 8	68.0	66.3
458.sjeng	8 / 8	104	96.3
462.libquantum	8 / 8	23.2	23.2
464.h264ref	8 / 8	166	163
471.omnetpp	8 / 8	36.0	35.1
473.astar	8 / 8	46.7	46.7
483.xalancbmk	8 / 8	77.0	77.8

SPECint_rate_base2006 = 59.5

SPECint_rate2006 = 61.2

Hardware

CPU Name: Intel Xeon E5335
CPU Characteristics: 2.00 GHz, 8MB L2, 1333MHz bus
CPU MHz: 2000
FPU: Integrated
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
CPU(s) orderable: 1 to 2 chips
Primary Cache: 32 KB I + 32 KB D on chip per core
Secondary Cache: 8 MB I+D on chip per chip, 4 MB shared / 2 cores
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	8	724	108	**<u>725</u>**	**<u>108</u>**	726	108	8	**<u>666</u>**	**<u>117</u>**	668	117	665	117
401.bzip2	8	**<u>1302</u>**	**<u>59.3</u>**	1295	59.6	1310	58.9	8	1292	59.8	1300	59.4	**<u>1295</u>**	**<u>59.6</u>**
403.gcc	8	3257	19.8	**<u>3271</u>**	**<u>19.7</u>**	3316	19.4	8	3292	19.6	3231	19.9	**<u>3282</u>**	**<u>19.6</u>**
429.mcf	8	1435	50.8	1436	50.8	**<u>1436</u>**	**<u>50.8</u>**	8	1442	50.6	1439	50.7	**<u>1441</u>**	**<u>50.6</u>**
445.gobmk	8	**<u>839</u>**	**<u>100</u>**	837	100	840	99.9	8	753	111	750	112	**<u>751</u>**	**<u>112</u>**
456.hmmer	8	**<u>1126</u>**	**<u>66.3</u>**	1127	66.2	1125	66.3	8	1097	68.0	1098	68.0	**<u>1098</u>**	**<u>68.0</u>**
458.sjeng	8	1006	96.2	**<u>1006</u>**	**<u>96.3</u>**	1005	96.3	8	**<u>927</u>**	**<u>104</u>**	927	104	927	104
462.libquantum	8	7158	23.2	7156	23.2	**<u>7156</u>**	**<u>23.2</u>**	8	7151	23.2	**<u>7151</u>**	**<u>23.2</u>**	7157	23.2
464.h264ref	8	1088	163	**<u>1088</u>**	**<u>163</u>**	1087	163	8	1064	166	**<u>1065</u>**	**<u>166</u>**	1065	166
471.omnetpp	8	1426	35.1	1427	35.0	**<u>1426</u>**	**<u>35.1</u>**	8	**<u>1388</u>**	**<u>36.0</u>**	1389	36.0	1387	36.0
473.astar	8	1205	46.6	**<u>1203</u>**	**<u>46.7</u>**	1201	46.8	8	**<u>1202</u>**	**<u>46.7</u>**	1203	46.7	1200	46.8
483.xalancbmk	8	**<u>710</u>**	**<u>77.8</u>**	710	77.7	710	77.8	8	717	77.0	**<u>717</u>**	**<u>77.0</u>**	716	77.1

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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