SPEC® CINT2006 Result

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Bull SAS

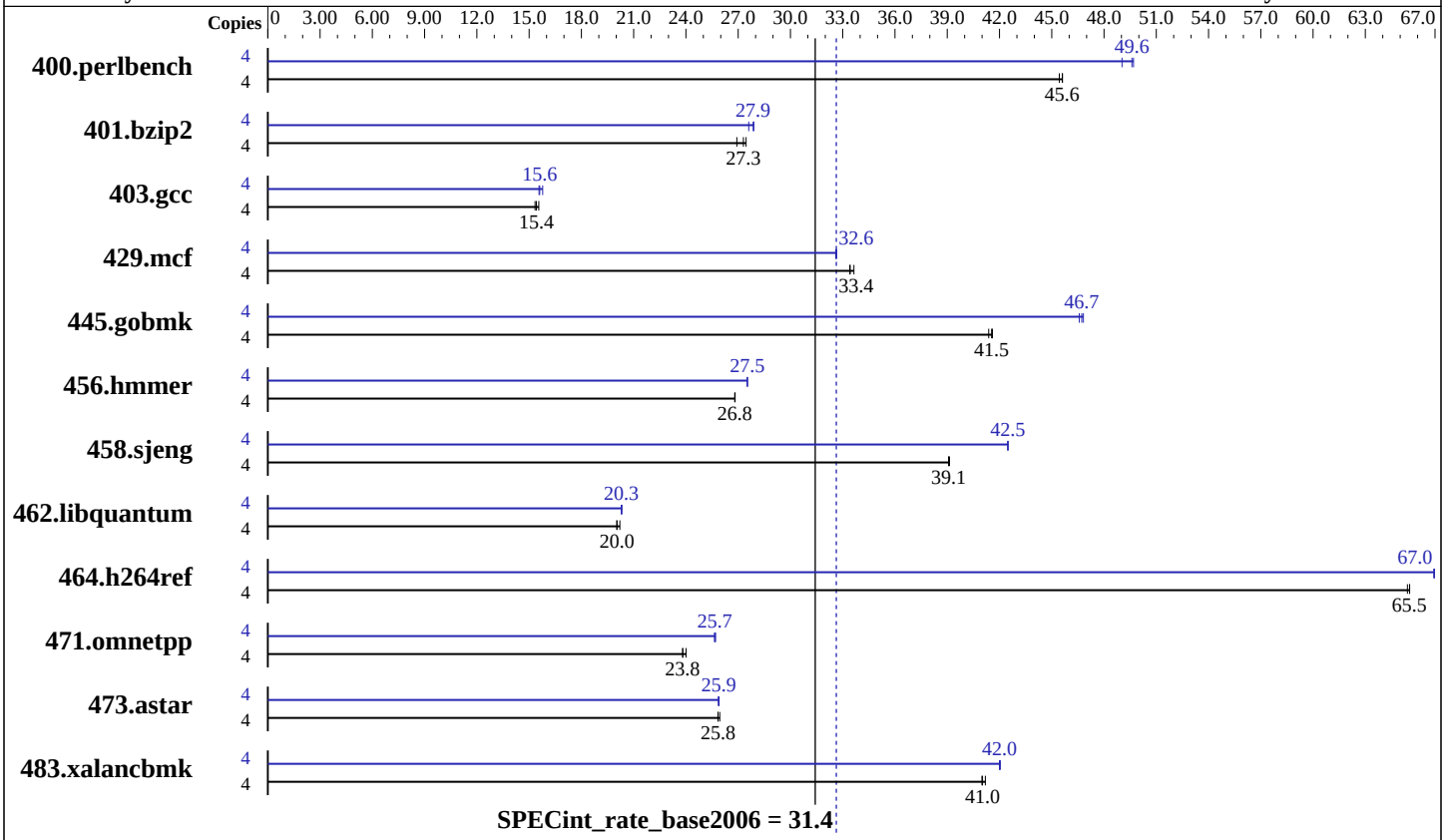
NovaScale B260 (Intel Xeon processor 5110,1.60GHz)

SPECint®_rate2006 = 32.6

SPECint_rate_base2006 = 31.4

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 5110
CPU Characteristics:	1.60 GHz, 4MB L2, 1066MHz bus
CPU MHz:	1600
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) MicroQuill SmartHeap Library 8.0 (shlW32M.lib)
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	None

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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	860	45.4	**857**	**45.6**	857	45.6	4	797	49.0	786	49.7	**788**	**49.6**
401.bzip2	4	1434	26.9	**1414**	**27.3**	1406	27.5	4	1398	27.6	**1385**	**27.9**	1384	27.9
403.gcc	4	**2089**	**15.4**	2099	15.3	2070	15.6	4	2068	15.6	2041	15.8	**2063**	**15.6**
429.mcf	4	**1091**	**33.4**	1092	33.4	1084	33.6	4	**1118**	**32.6**	1117	32.7	1119	32.6
445.gobmk	4	1009	41.6	1014	41.4	**1010**	**41.5**	4	896	46.8	**898**	**46.7**	901	46.6
456.hmmer	4	**1392**	**26.8**	1392	26.8	1391	26.8	4	1356	27.5	1356	27.5	**1356**	**27.5**
458.sjeng	4	1239	39.1	**1238**	**39.1**	1237	39.1	4	1139	42.5	1140	42.5	**1139**	**42.5**
462.libquantum	4	**4134**	**20.0**	4138	20.0	4102	20.2	4	4077	20.3	4086	20.3	**4082**	**20.3**
464.h264ref	4	1353	65.4	1351	65.5	**1351**	**65.5**	4	1323	66.9	**1322**	**67.0**	1322	67.0
471.omnetpp	4	1050	23.8	**1050**	**23.8**	1041	24.0	4	975	25.6	973	25.7	**974**	**25.7**
473.astar	4	1087	25.8	**1086**	**25.8**	1082	25.9	4	1086	25.9	**1085**	**25.9**	1084	25.9
483.xalancbmk	4	673	41.0	**673**	**41.0**	670	41.2	4	657	42.0	656	42.0	**657**	**42.0**

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.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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