SPEC® CINT2006 Result

Bull SAS

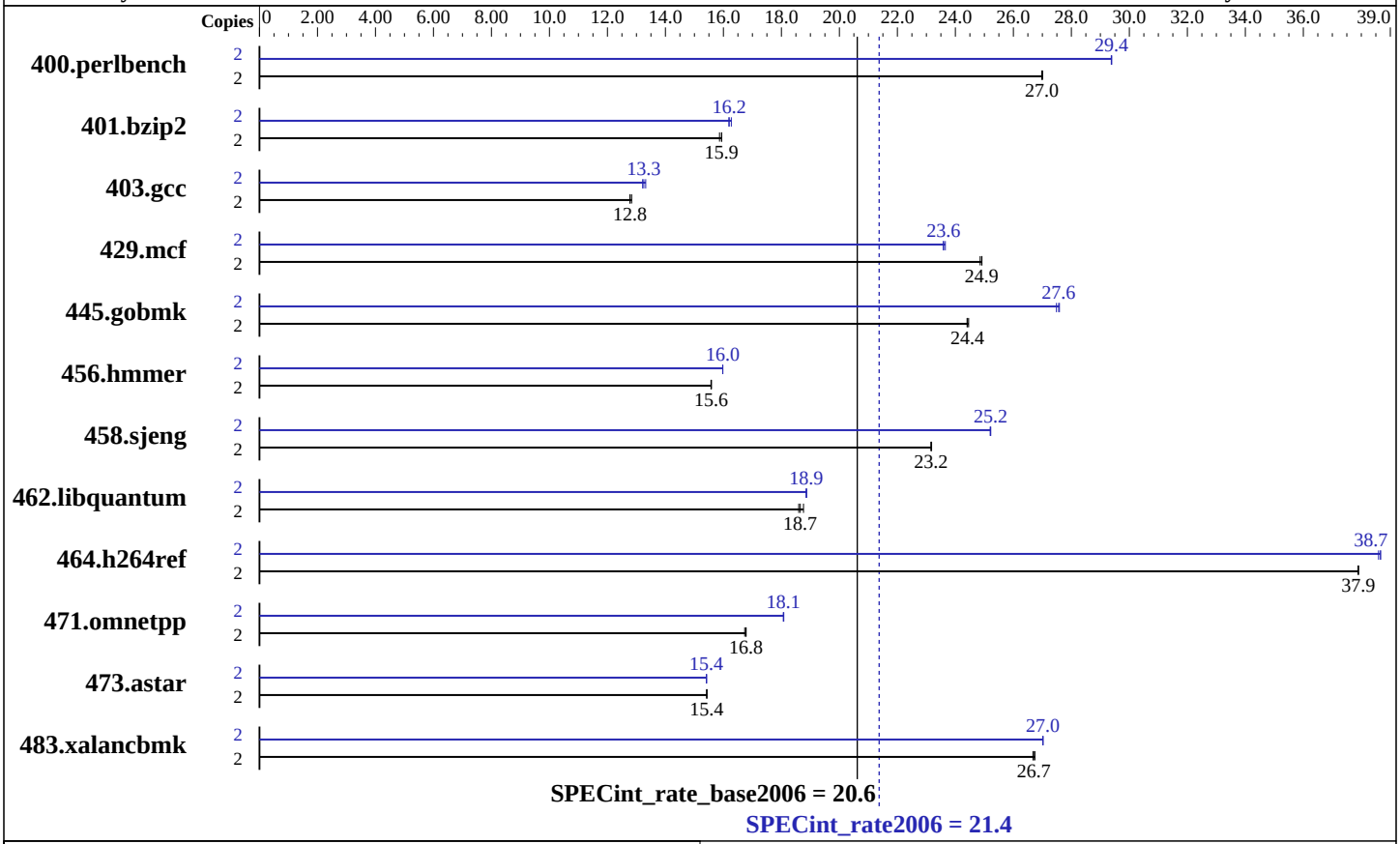
NovaScale R410
(Intel Xeon processor 3040,1.86GHz)

SPECint®_rate2006 = 21.4

SPECint_rate_base2006 = 20.6

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

Test date: Jun-2007
Hardware Availability: Feb-2007
Software Availability: Dec-2006



Hardware

CPU Name:	Intel Xeon 3040
CPU Characteristics:	1.86 GHz, 4 MB L2, 1066 MHz system 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 (4x2 GB) PC2-5300F ECC CL5
Disk Subsystem:	1x80 GB SATA, 10000 RPM
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	2	723	27.0	**724**	**27.0**	724	27.0	2	665	29.4	**665**	**29.4**	665	29.4
401.bzip2	2	**1211**	**15.9**	1216	15.9	1211	15.9	2	1192	16.2	**1191**	**16.2**	1186	16.3
403.gcc	2	1260	12.8	1254	12.8	**1260**	**12.8**	2	1218	13.2	1209	13.3	**1215**	**13.3**
429.mcf	2	734	24.9	**732**	**24.9**	732	24.9	2	773	23.6	771	23.7	**773**	**23.6**
445.gobmk	2	858	24.5	**859**	**24.4**	860	24.4	2	763	27.5	760	27.6	**761**	**27.6**
456.hmmer	2	1198	15.6	**1197**	**15.6**	1197	15.6	2	**1168**	**16.0**	1168	16.0	1168	16.0
458.sjeng	2	1045	23.2	1044	23.2	**1045**	**23.2**	2	960	25.2	960	25.2	**960**	**25.2**
462.libquantum	2	2228	18.6	2209	18.8	**2222**	**18.7**	2	**2197**	**18.9**	2196	18.9	2198	18.9
464.h264ref	2	**1168**	**37.9**	1168	37.9	1168	37.9	2	1145	38.7	1147	38.6	**1145**	**38.7**
471.omnetpp	2	747	16.7	745	16.8	**745**	**16.8**	2	**692**	**18.1**	691	18.1	692	18.1
473.astar	2	**910**	**15.4**	910	15.4	910	15.4	2	911	15.4	**911**	**15.4**	911	15.4
483.xalancbmk	2	**517**	**26.7**	516	26.7	517	26.7	2	511	27.0	511	27.0	**511**	**27.0**

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.20090714.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/flags.20090714.xml`

For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

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