



SPEC® CINT2006 Result

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Bull SAS

SPECint®2006 = 12.7

NovaScale B280 (Intel Xeon processor 5130,2.0GHz)

SPECint_base2006 = 12.3

CPU2006 license: 20

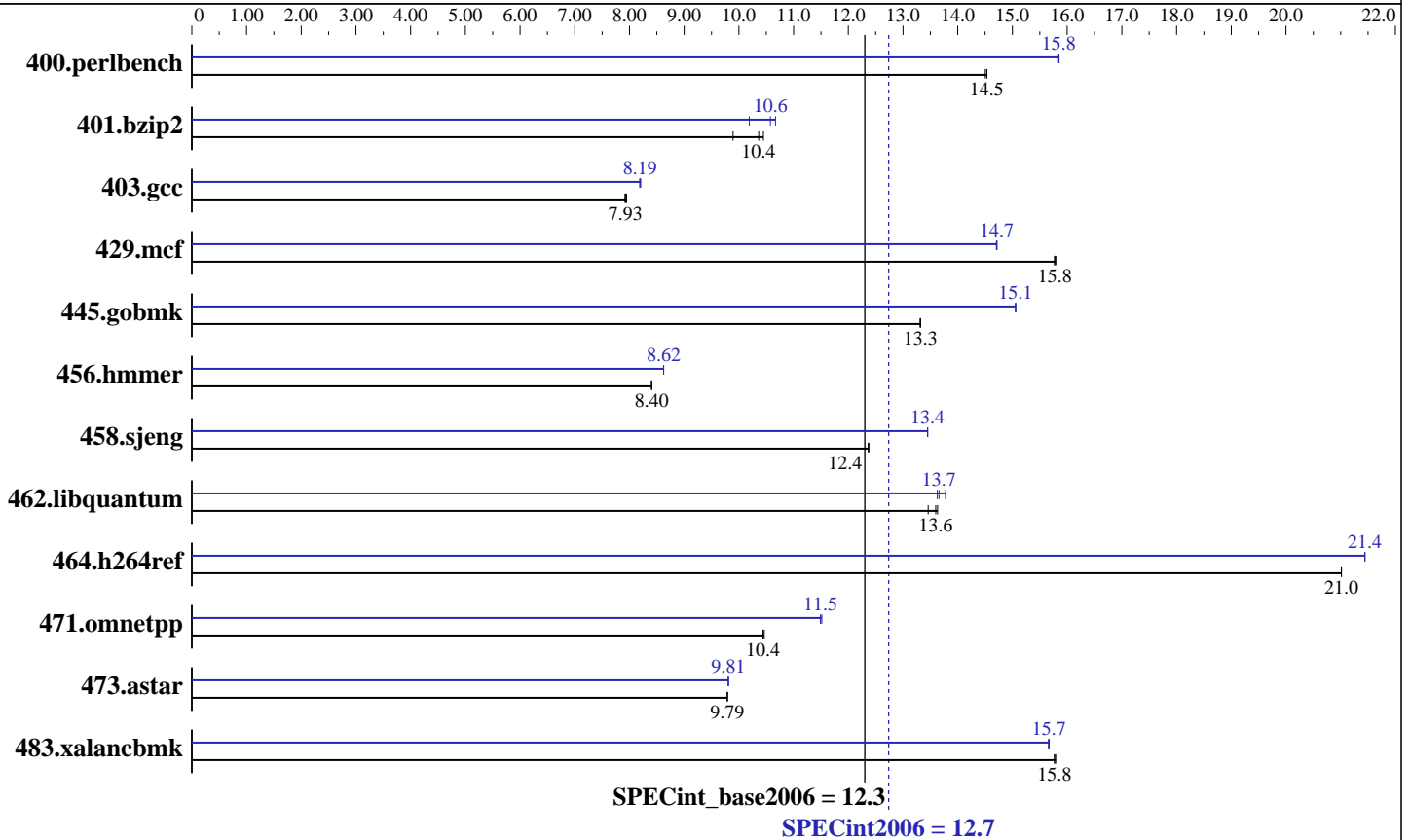
Test date: Dec-2006

Test sponsor: Bull SAS

Hardware Availability: Jan-2007

Tested by: Bull SAS

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: 1 core, 1 chip, 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 (1GB DIMMx8, 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 (shIW32M.lib)



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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	674	14.5	672	14.5	672	14.5	617	15.8	617	15.8	616	15.9
401.bzip2	924	10.4	975	9.89	931	10.4	912	10.6	947	10.2	904	10.7
403.gcc	1013	7.95	1017	7.92	1015	7.93	981	8.21	983	8.19	983	8.19
429.mcf	577	15.8	578	15.8	578	15.8	620	14.7	620	14.7	620	14.7
445.gobmk	788	13.3	788	13.3	788	13.3	697	15.1	697	15.1	697	15.1
456.hammer	1110	8.40	1110	8.40	1110	8.40	1082	8.62	1082	8.62	1082	8.62
458.sjeng	978	12.4	978	12.4	978	12.4	900	13.4	900	13.5	900	13.4
462.libquantum	1524	13.6	1539	13.5	1520	13.6	1521	13.6	1504	13.8	1517	13.7
464.h264ref	1053	21.0	1053	21.0	1053	21.0	1032	21.4	1032	21.4	1032	21.4
471.omnetpp	599	10.4	599	10.4	597	10.5	544	11.5	543	11.5	544	11.5
473.astar	717	9.79	717	9.79	717	9.79	716	9.81	716	9.81	716	9.80
483.xalancbmk	438	15.8	438	15.8	437	15.8	440	15.7	440	15.7	441	15.7

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

General Notes

Other Configuration Notes
/NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment

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

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Base Optimization Flags (Continued)

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
```



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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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