SPEC® CINT2006 Result

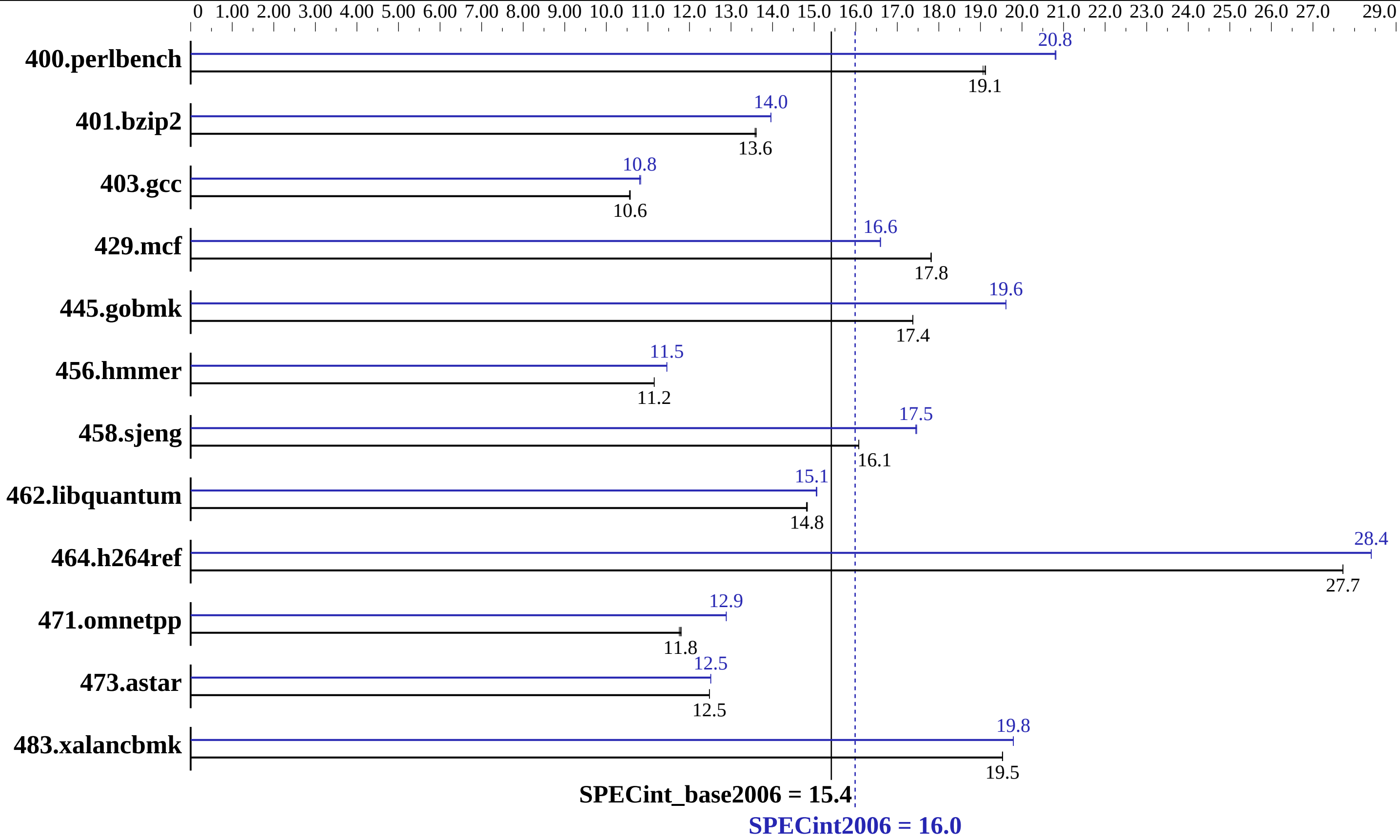
Bull SAS

NovaScale R460
(Intel Xeon processor 5150,2.66GHz)

SPECint®2006 = 16.0

SPECint_base2006 = 15.4

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



Hardware

CPU Name:	Intel Xeon 5150
CPU Characteristics:	2.66 GHz, 4 MB L2, 1333 MHz system bus
CPU MHz:	2666
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:	24 GB (12x2 GB) FB-DIMM PC2-5300F ECC CL5
Disk Subsystem:	1x73 GB SAS, 15000 RPM
Other Hardware:	None

Software

Operating System:	Windows Server 2003 Enterprise Edition X64 Edition 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

	Base						Peak					
Benchmark	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**
400.perlbench	513	19.1	511	19.1	**511**	**19.1**	469	20.8	470	20.8	**470**	**20.8**
401.bzip2	709	13.6	711	13.6	**710**	**13.6**	691	14.0	**691**	**14.0**	691	14.0
403.gcc	761	10.6	**762**	**10.6**	763	10.6	743	10.8	745	10.8	**745**	**10.8**
429.mcf	512	17.8	**512**	**17.8**	512	17.8	550	16.6	**550**	**16.6**	549	16.6
445.gobmk	604	17.4	604	17.4	**604**	**17.4**	535	19.6	**535**	**19.6**	535	19.6
456.hmmer	**837**	**11.2**	837	11.2	837	11.2	814	11.5	**814**	**11.5**	814	11.5
458.sjeng	753	16.1	**753**	**16.1**	753	16.1	694	17.4	**693**	**17.5**	693	17.5
462.libquantum	1396	14.8	1399	14.8	**1397**	**14.8**	1377	15.1	**1376**	**15.1**	1375	15.1
464.h264ref	**798**	**27.7**	798	27.7	798	27.7	779	28.4	**779**	**28.4**	779	28.4
471.omnetpp	532	11.8	530	11.8	**530**	**11.8**	485	12.9	**485**	**12.9**	485	12.9
473.astar	563	12.5	562	12.5	**563**	**12.5**	561	12.5	**561**	**12.5**	561	12.5
483.xalancbmk	353	19.5	**353**	**19.5**	353	19.5	349	19.8	349	19.8	**349**	**19.8**

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

Operating System Notes

```
/NUMPROC=1 flag was added to boot.ini to invoke
uniprocessor environment
```

General Notes

```
The NovaScale R440 and the NovaScale R460 models are
electronically equivalent.
The results have been measured on a NovaScale R460 model.
```

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

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

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