SPEC® CINT2006 Result

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Acer Incorporated

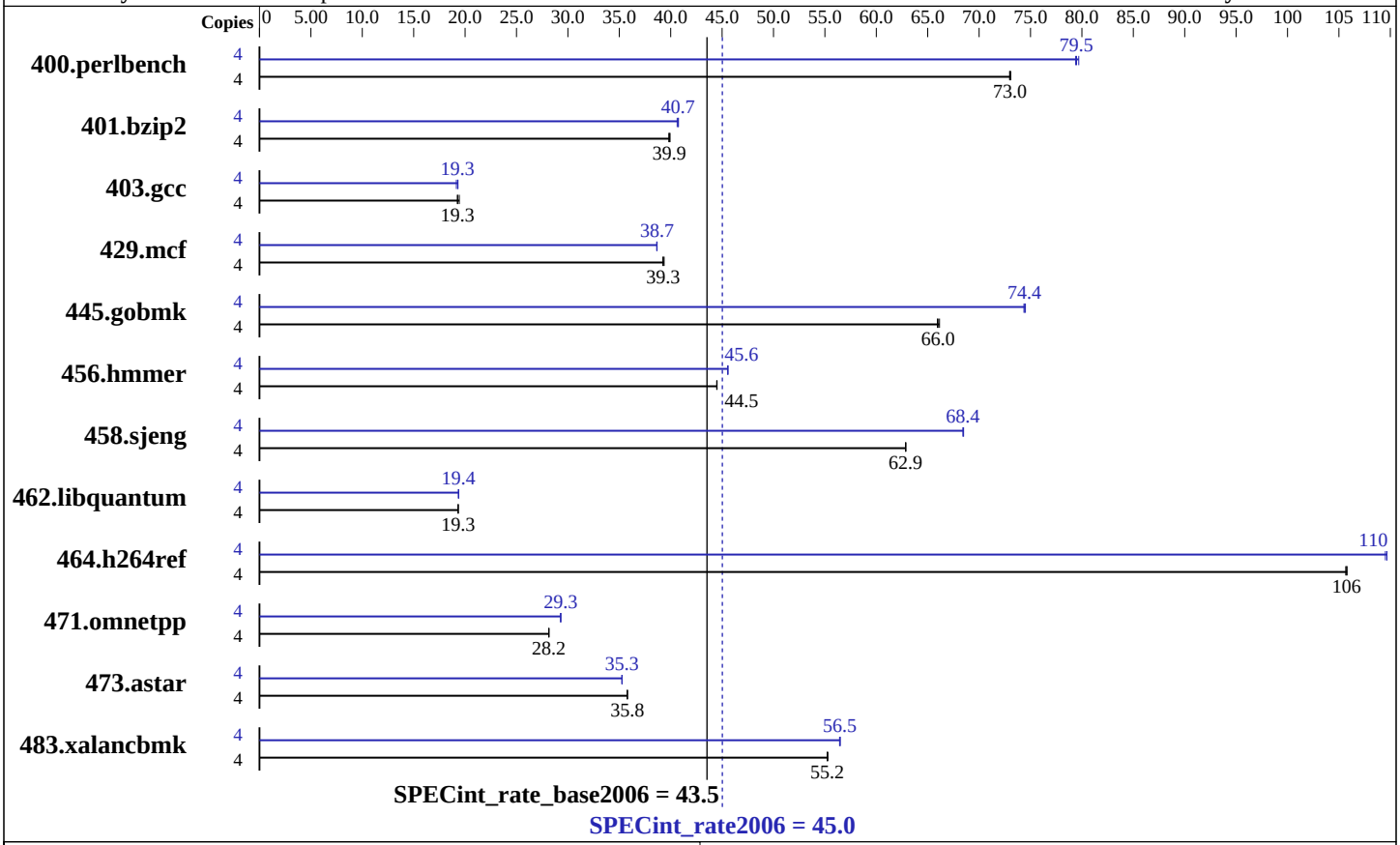
Acer Altos R720 (Intel Xeon X5355, 2.66GHz)

SPECint®_rate2006 = 45.0

SPECint_rate_base2006 = 43.5

CPU2006 license: 97
Test sponsor: Acer Incorporated
Tested by: Acer Incorporated

Test date: Jan-2007
Hardware Availability: Nov-2006
Software Availability: Nov-2006



Hardware

CPU Name:	Intel Xeon X5355
CPU Characteristics:	1333MHz system bus
CPU MHz:	2666
FPU:	Integrated
CPU(s) enabled:	4 cores, 1 chip, 4 cores/chip
CPU(s) orderable:	1,2 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:	16 GB (8 x 2048MB ECC FB-DIMM DDR2-667 CL5-5-5)
Disk Subsystem:	1 x 73GB 10000RPM SAS HDD
Other Hardware:	None

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition (Build 3790), Service Pack 1
Compiler:	Intel C++ Compiler for IA32 version 9.1 Package ID W_CC_C_9.1.028 Build 20060706Z Microsoft Visual Studio 2003 .Net (libr. & linker)
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	MicroQuill Smart Heap Library, Version 7.4

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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	**535**	**73.0**	536	73.0	535	73.1	4	492	79.4	490	79.7	**492**	**79.5**
401.bzip2	4	970	39.8	**968**	**39.9**	967	39.9	4	950	40.6	**948**	**40.7**	947	40.8
403.gcc	4	**1670**	**19.3**	1657	19.4	1673	19.2	4	1668	19.3	1681	19.2	**1670**	**19.3**
429.mcf	4	**929**	**39.3**	930	39.2	927	39.4	4	944	38.6	943	38.7	**943**	**38.7**
445.gobmk	4	636	65.9	634	66.1	**636**	**66.0**	4	**564**	**74.4**	563	74.5	564	74.4
456.hmmer	4	**839**	**44.5**	839	44.5	839	44.5	4	**819**	**45.6**	819	45.6	819	45.6
458.sjeng	4	770	62.9	770	62.8	**770**	**62.9**	4	707	68.4	707	68.5	**707**	**68.4**
462.libquantum	4	4288	19.3	**4288**	**19.3**	4289	19.3	4	4276	19.4	**4281**	**19.4**	4282	19.4
464.h264ref	4	**837**	**106**	837	106	838	106	4	808	110	807	110	**807**	**110**
471.omnetpp	4	888	28.2	**888**	**28.2**	888	28.1	4	853	29.3	**853**	**29.3**	854	29.3
473.astar	4	785	35.8	785	35.8	**785**	**35.8**	4	797	35.2	796	35.3	**796**	**35.3**
483.xalancbmk	4	500	55.2	499	55.3	**500**	**55.2**	4	489	56.4	489	56.5	**489**	**56.5**

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

General Notes

```
This result was measured on the Acer Altos R520.
The Altos R720 and Altos R520 are electronically equivalent.
```

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:

Continued on next page

Peak Other Flags (Continued)

403.gcc: `-Dalloca=_alloca`

The flags file that was used to format this result can be browsed at
`http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags.20090714.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags.20090714.xml`

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For questions about this result, please contact the tester.
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