SPEC® CINT2006 Result
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Acer Incorporated

SPECint®_rate2006 = 41.3

Acer Altos G330 (Intel Xeon X3210, 2.13 GHz)
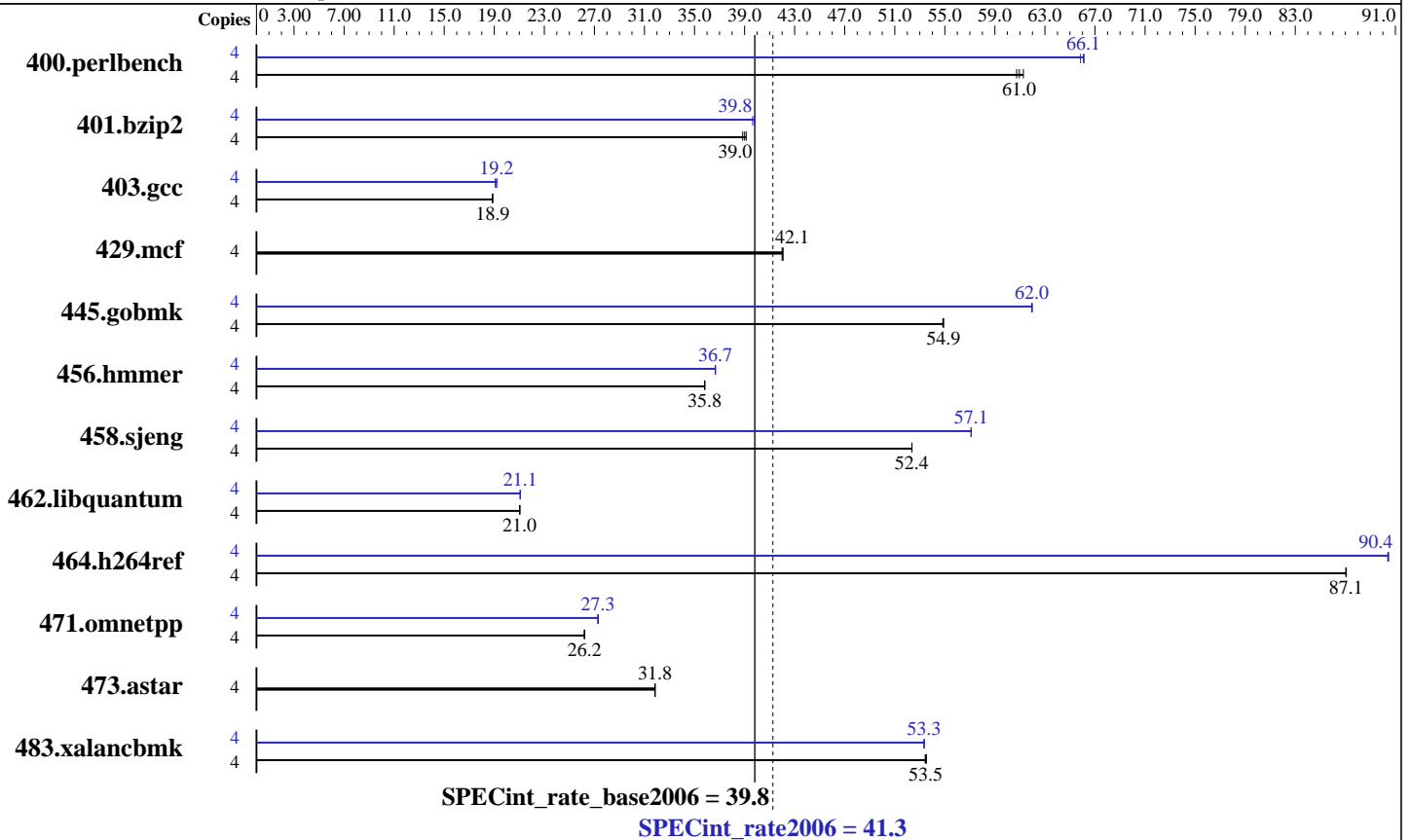
SPECint_rate_base2006 = 39.8

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

Test date: Mar-2007
Hardware Availability: Nov-2006
Software Availability: Jul-2006

Copies 0 3.00 7.00 11.0 15.0 19.0 23.0 27.0 31.0 35.0 39.0 43.0 47.0 51.0 55.0 59.0 63.0 67.0 71.0 75.0 79.0 83.0 91.0

Benchmark	Copies	Peak	Base
400.perlbench	4 / 4	66.1	61.0
401.bzip2	4 / 4	39.8	39.0
403.gcc	4 / 4	19.2	18.9
429.mcf	4		42.1
445.gobmk	4 / 4	62.0	54.9
456.hmmer	4 / 4	36.7	35.8
458.sjeng	4 / 4	57.1	52.4
462.libquantum	4 / 4	21.1	21.0
464.h264ref	4 / 4	90.4	87.1
471.omnetpp	4 / 4	27.3	26.2
473.astar	4		31.8
483.xalancbmk	4 / 4	53.3	53.5

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Hardware

CPU Name: Intel Xeon X3210
CPU Characteristics: 1066MHz system bus
CPU MHz: 2133
FPU: Integrated
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip
CPU(s) orderable: 1 chip
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: 4 GB (4 x 1024MB ECC DDR2-667 CL5-5-5)
Disk Subsystem: 1 x 80GB 10000RPM SATA 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	638	61.3	643	60.7	**641**	**61.0**		4	594	65.8	591	66.1	**592**	**66.1**
401.bzip2	4	994	38.8	**990**	**39.0**	986	39.1		4	969	39.8	974	39.6	**970**	**39.8**
403.gcc	4	**1706**	**18.9**	1708	18.8	1706	18.9		4	**1678**	**19.2**	1677	19.2	1688	19.1
429.mcf	4	**867**	**42.1**	869	42.0	867	42.1		4	**867**	**42.1**	869	42.0	867	42.1
445.gobmk	4	764	54.9	**764**	**54.9**	765	54.8		4	677	62.0	**677**	**62.0**	677	62.0
456.hmmer	4	**1042**	**35.8**	1042	35.8	1042	35.8		4	1018	36.7	1017	36.7	**1018**	**36.7**
458.sjeng	4	**924**	**52.4**	924	52.4	924	52.4		4	848	57.1	**848**	**57.1**	848	57.1
462.libquantum	4	3936	21.1	**3941**	**21.0**	3943	21.0		4	3933	21.1	3931	21.1	**3933**	**21.1**
464.h264ref	4	**1017**	**87.1**	1017	87.0	1017	87.1		4	979	90.5	**979**	**90.4**	979	90.4
471.omnetpp	4	954	26.2	953	26.2	**954**	**26.2**		4	915	27.3	**916**	**27.3**	917	27.3
473.astar	4	881	31.9	882	31.8	**882**	**31.8**		4	881	31.9	882	31.8	**882**	**31.8**
483.xalancbmk	4	517	53.4	**516**	**53.5**	516	53.5		4	517	53.4	517	53.3	**517**	**53.3**

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

General Notes

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
```

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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:

```
400.perlbench: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
          shlw32m.lib               -link /FORCE:MULTIPLE
```

```
401.bzip2: Same as 400.perlbench
```

```
403.gcc: Same as 400.perlbench
```

```
429.mcf: basepeak = yes
```

```
445.gobmk: Same as 400.perlbench
```

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Peak Optimization Flags (Continued)

456.hmmer: Same as 400.perlbench

458.sjeng: Same as 400.perlbench

462.libquantum: Same as 400.perlbench

464.h264ref: Same as 400.perlbench

C++ benchmarks:

471.omnetpp: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qcxx_features`
`/F512000000 shlw32m.lib          -link /FORCE:MULTIPLE`

473.astar: `basepeak = yes`

483.xalancbmk: Same as 471.omnetpp

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/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

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

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