SPEC® CINT2006 Result

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Dell Inc.

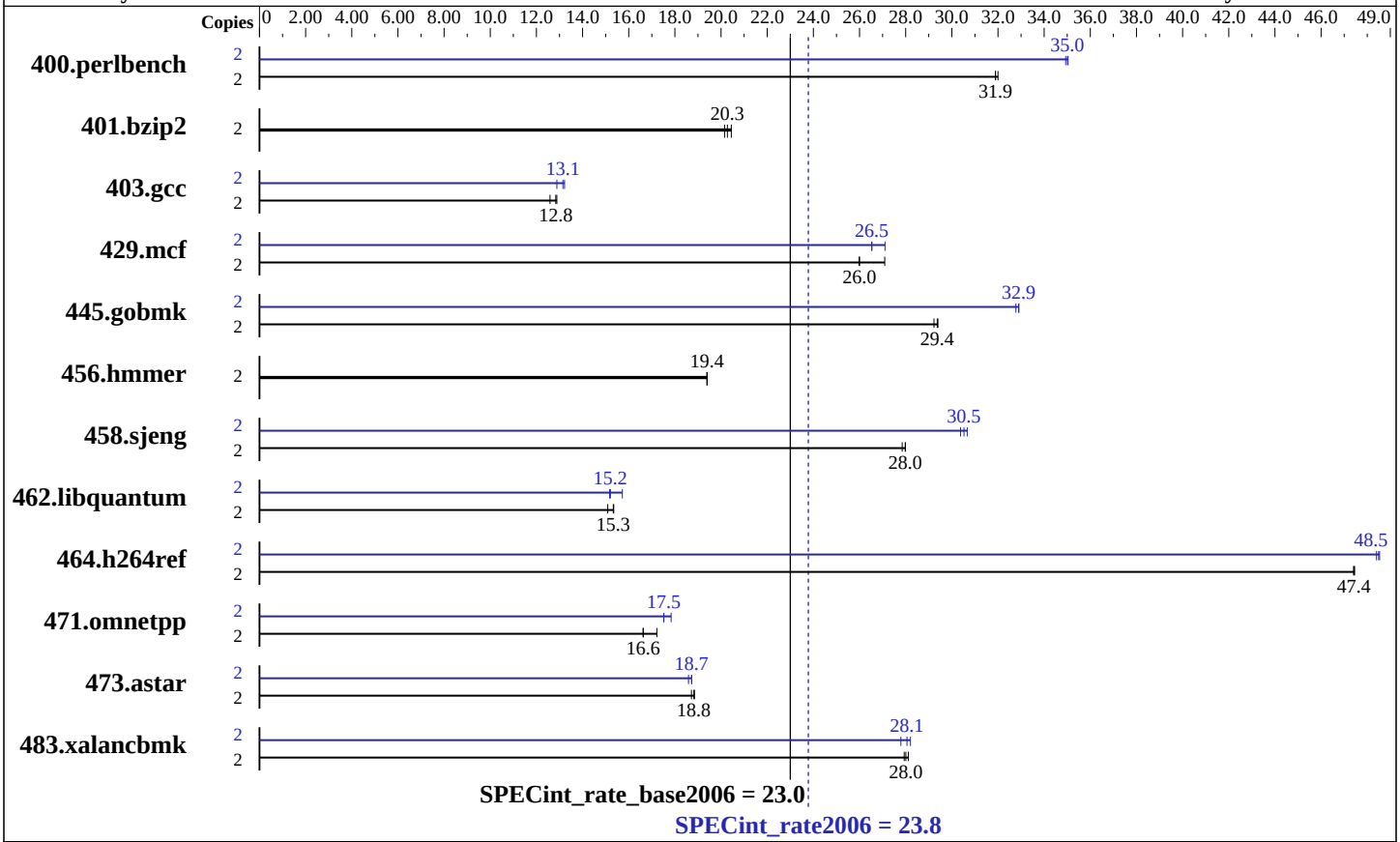
Dell Precision M90 (Intel T7600, 2.33 GHz)

SPECint®_rate2006 = 23.8

SPECint_rate_base2006 = 23.0

CPU2006 license: 55
Test sponsor: Dell Inc.
Tested by: Dell Inc.

Test date: Dec-2006
Hardware Availability: Sep-2006
Software Availability: Nov-2006



Hardware

CPU Name:	Intel Core 2 Duo T7600
CPU Characteristics:	667 MHz System Bus
CPU MHz:	2333
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:	4 MB I+D on chip per chip
L3 Cache:	None
Other Cache:	None
Memory:	2 GB (2x1 GB 667 MHz CL5 DDR2 SDRAM)
Disk Subsystem:	1 x 80 GB SATA 7200 RPM
Other Hardware:	None

Software

Operating System:	Windows XP Professional SP2
Compiler:	Intel C++ Compiler 9.1 for IA32 (20061103Z) Microsoft Visual Studio 2005 MicroQuill SmartHeap Library 8.0
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	None

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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	613	31.9	611	32.0	**613**	**31.9**	2	**558**	**35.0**	558	35.0	559	34.9
401.bzip2	2	944	20.4	958	20.2	**952**	**20.3**	2	944	20.4	958	20.2	**952**	**20.3**
403.gcc	2	**1254**	**12.8**	1250	12.9	1279	12.6	2	**1225**	**13.1**	1218	13.2	1249	12.9
429.mcf	2	673	27.1	702	26.0	**702**	**26.0**	2	688	26.5	**687**	**26.5**	673	27.1
445.gobmk	2	718	29.2	714	29.4	**714**	**29.4**	2	**638**	**32.9**	638	32.9	640	32.8
456.hmmer	2	**962**	**19.4**	962	19.4	962	19.4	2	**962**	**19.4**	962	19.4	962	19.4
458.sjeng	2	869	27.8	865	28.0	**865**	**28.0**	2	789	30.7	**793**	**30.5**	797	30.4
462.libquantum	2	**2703**	**15.3**	2746	15.1	2700	15.4	2	**2725**	**15.2**	2636	15.7	2731	15.2
464.h264ref	2	933	47.4	**933**	**47.4**	933	47.5	2	912	48.5	**913**	**48.5**	914	48.4
471.omnetpp	2	**752**	**16.6**	726	17.2	752	16.6	2	**713**	**17.5**	701	17.8	714	17.5
473.astar	2	745	18.8	**746**	**18.8**	750	18.7	2	**750**	**18.7**	750	18.7	755	18.6
483.xalancbmk	2	494	27.9	491	28.1	**493**	**28.0**	2	489	28.2	**492**	**28.1**	497	27.8

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

General Notes

```
32-bit binaries were built on Windows XP Professional x64 Edition
```

Base Compiler Invocation

C benchmarks:

```
icl -Qc99
```

C++ benchmarks:

```
icl
```

Base Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`
483.xalancbmk: `-Qoption,cpp,--no_wchar_t_keyword`

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 -Qc99

C++ benchmarks:
icl

Peak Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32
483.xalancbmk: -Qoption,cpp,--no_wchar_t_keyword

Peak Optimization Flags

C benchmarks:

400.perlbench: ONESTEP -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000 shlW32M.lib -link /FORCE:MULTIPLE

401.bzip2: basepeak = yes

403.gcc: Same as 400.perlbench

429.mcf: ONESTEP -fast /F512000000 shlW32M.lib -link /FORCE:MULTIPLE

445.gobmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000 shlW32M.lib -link /FORCE:MULTIPLE

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Peak Optimization Flags (Continued)

456.hmmer: `basepeak = yes`

458.sjeng: `Same as 400.perlbench`

462.libquantum: `Same as 400.perlbench`

464.h264ref: `Same as 400.perlbench`

C++ benchmarks:

471.omnetpp: `ONESTEP -Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qcxx_features /F512000000 shlW32M.lib -link /FORCE:MULTIPLE`

473.astar: `Same as 471.omnetpp`

483.xalancbmk: `ONESTEP -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/dell.cpu2006.ic91.flags.20090715.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/dell.cpu2006.ic91.flags.20090715.xml`

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