



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

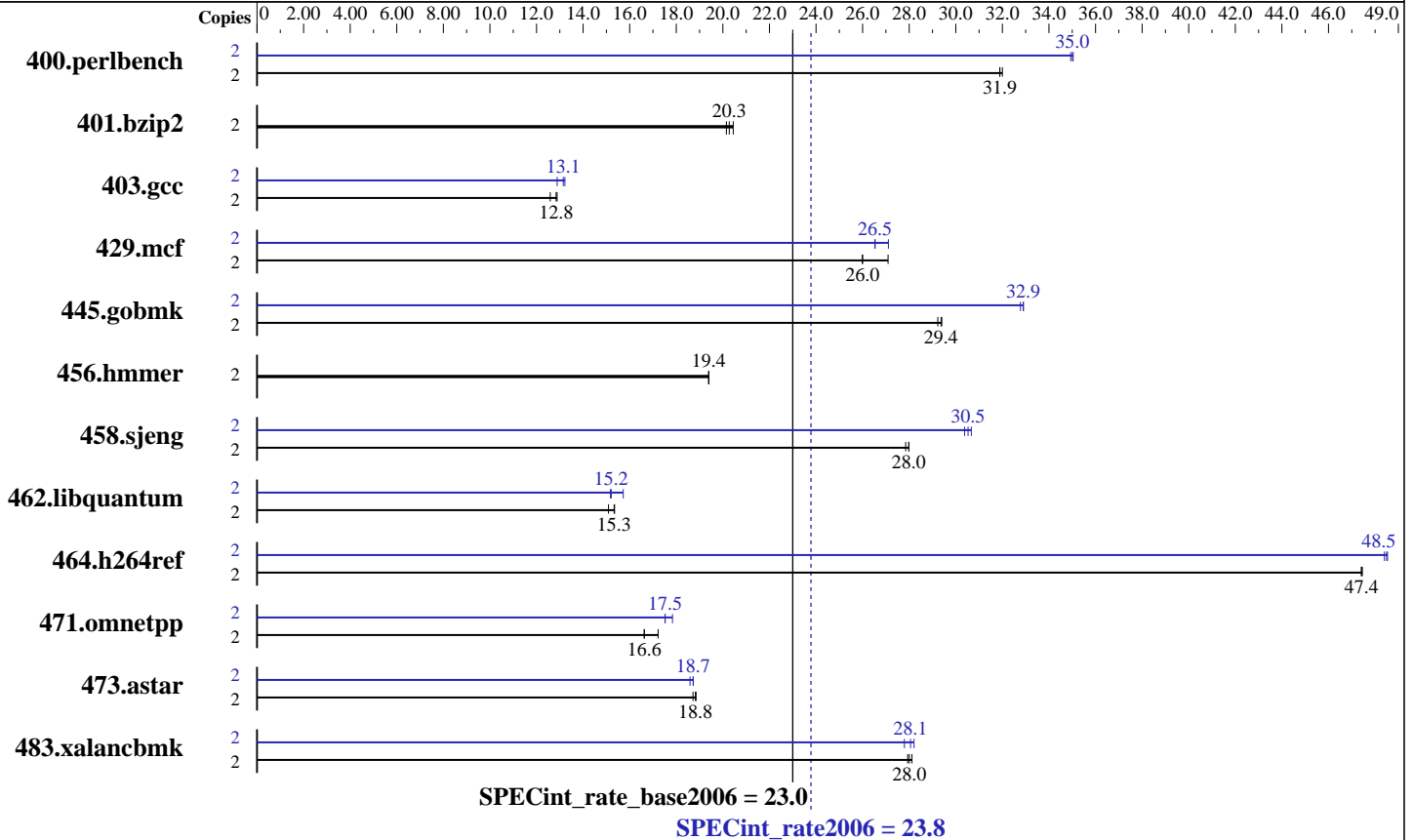
Test sponsor: Dell Inc.

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.hammer	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.hmmr: 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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