



SPEC® CINT2006 Result

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Dell Inc.

Dell Precision M90 (Intel T7600, 2.33 GHz)

SPECint®2006 = 14.5

SPECint_base2006 = 14.0

CPU2006 license: 55

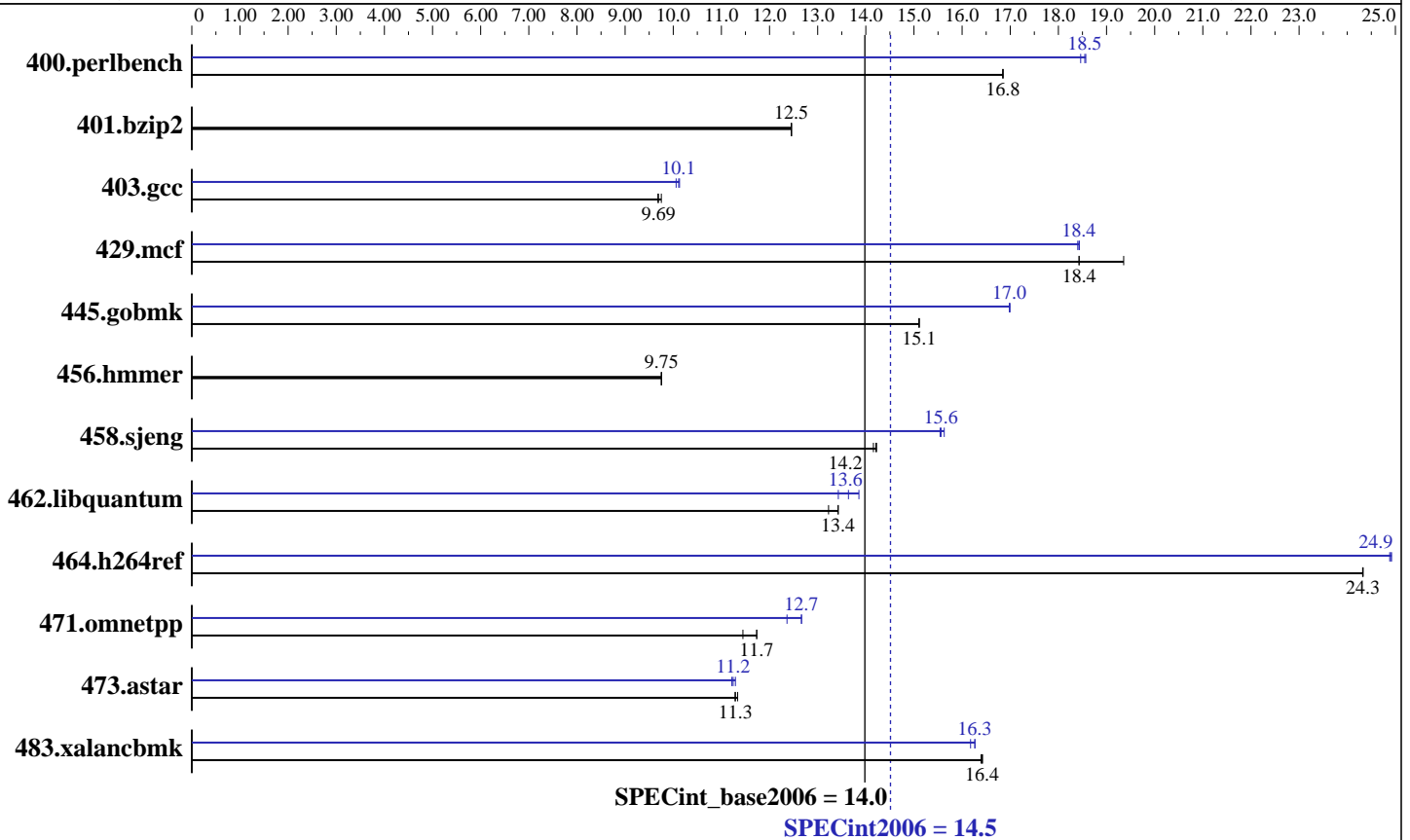
Test sponsor: Dell Inc.

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					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	580	16.8	580	16.8	580	16.8	529	18.5	527	18.5	526	18.6
401.bzip2	775	12.5	775	12.5	775	12.5	775	12.5	775	12.5	775	12.5
403.gcc	825	9.75	831	9.69	831	9.68	795	10.1	796	10.1	800	10.1
429.mcf	495	18.4	495	18.4	471	19.4	495	18.4	496	18.4	495	18.4
445.gobmk	694	15.1	694	15.1	694	15.1	618	17.0	618	17.0	617	17.0
456.hammer	957	9.75	956	9.76	956	9.75	957	9.75	956	9.76	956	9.75
458.sjeng	855	14.2	851	14.2	852	14.2	778	15.5	774	15.6	777	15.6
462.libquantum	1543	13.4	1544	13.4	1567	13.2	1519	13.6	1543	13.4	1495	13.9
464.h264ref	910	24.3	910	24.3	910	24.3	889	24.9	888	24.9	889	24.9
471.omnetpp	546	11.4	533	11.7	533	11.7	494	12.7	494	12.7	506	12.4
473.astar	619	11.3	622	11.3	622	11.3	624	11.2	626	11.2	622	11.3
483.xalancbmk	421	16.4	420	16.4	420	16.4	424	16.3	424	16.3	427	16.2

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.hmmcr: 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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