SPEC® CINT2006 Result

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Dell Inc.

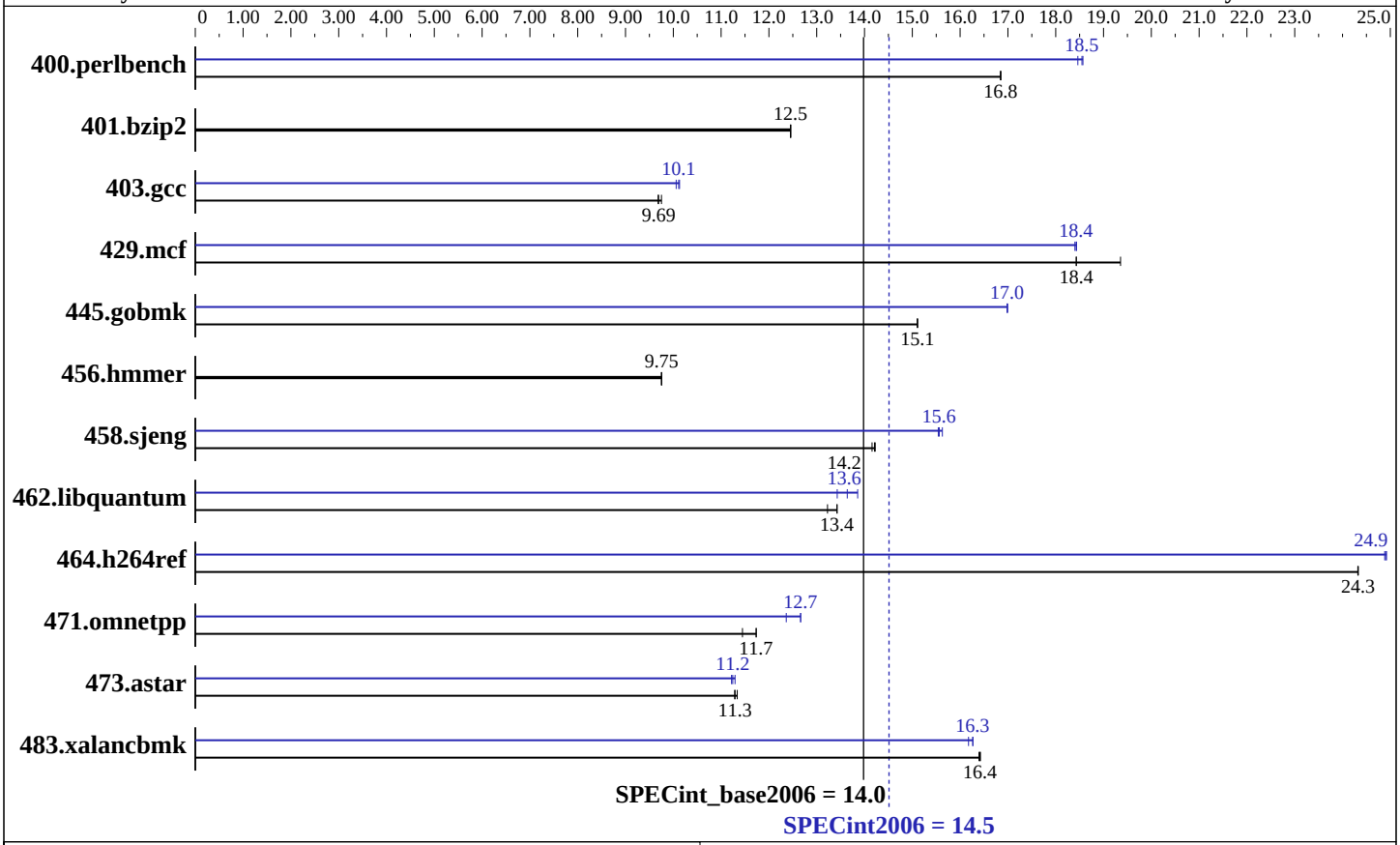
Dell Precision M90 (Intel T7600, 2.33 GHz)

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.hmmer	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.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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