SPEC® CINT2006 Result

Dell Inc.

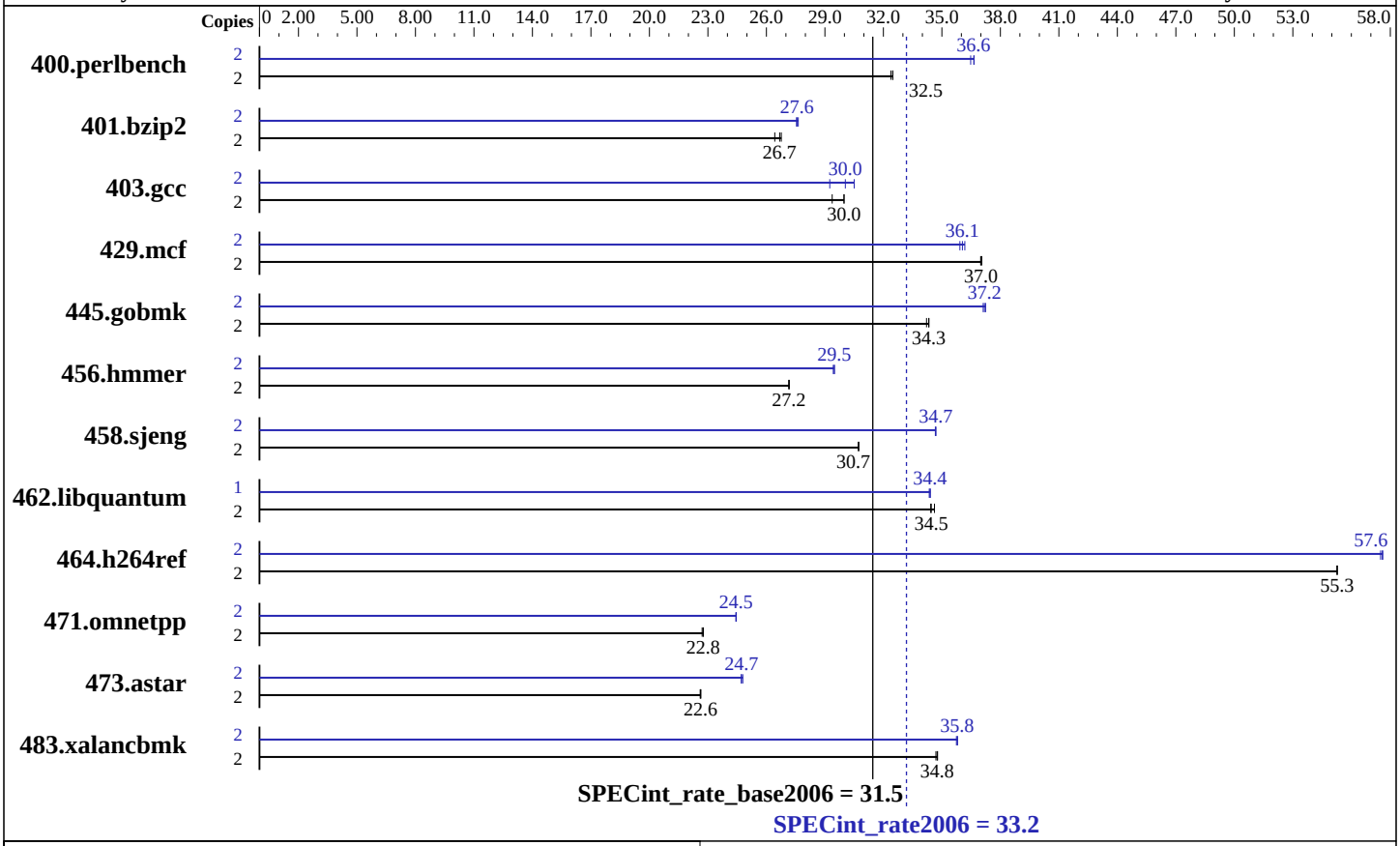
Dell Precision M6300 (Intel T9500, 2.60 GHz)

SPECint®_rate2006 = 33.2

SPECint_rate_base2006 = 31.5

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

Test date: Apr-2008
Hardware Availability: Mar-2008
Software Availability: Mar-2008



Hardware

CPU Name:	Intel Core 2 Duo T9500
CPU Characteristics:	800 MHz Bus Speed
CPU MHz:	2600
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:	6 MB I+D on chip per chip
L3 Cache:	None
Other Cache:	None
Memory:	4 GB (2x2 GB 667 MHz CL5 DDR2)
Disk Subsystem:	1 x 200GB SATA 7200 RPM
Other Hardware:	None

Software

Operating System:	Windows Vista Ultimate (64-bit)
Compiler:	Intel C++ Compiler for IA-32, Version 10.1 Build 20080312 Package ID: w_cc_p_10.1.021 Microsoft Visual Studio 2005 SP1
Auto Parallel:	Yes
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	MicroQuill SmartHeap Library 8.1

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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	603	32.4	**602**	**32.5**	601	32.5	2	536	36.5	533	36.7	**533**	**36.6**
401.bzip2	2	**723**	**26.7**	730	26.4	721	26.8	2	698	27.6	**700**	**27.6**	701	27.5
403.gcc	2	537	30.0	548	29.4	**537**	**30.0**	2	528	30.5	550	29.2	**536**	**30.0**
429.mcf	2	**493**	**37.0**	493	37.0	492	37.0	2	504	36.2	508	35.9	**506**	**36.1**
445.gobmk	2	613	34.2	611	34.3	**611**	**34.3**	2	**564**	**37.2**	563	37.2	565	37.1
456.hmmer	2	**687**	**27.2**	687	27.2	687	27.2	2	634	29.4	**633**	**29.5**	633	29.5
458.sjeng	2	788	30.7	**788**	**30.7**	788	30.7	2	698	34.7	**698**	**34.7**	698	34.7
462.libquantum	2	1197	34.6	1204	34.4	**1203**	**34.5**	1	603	34.4	602	34.4	**603**	**34.4**
464.h264ref	2	**801**	**55.3**	801	55.3	801	55.3	2	**769**	**57.6**	768	57.6	770	57.5
471.omnetpp	2	549	22.8	551	22.7	**549**	**22.8**	2	511	24.5	**511**	**24.5**	512	24.4
473.astar	2	621	22.6	620	22.6	**621**	**22.6**	2	**568**	**24.7**	568	24.7	566	24.8
483.xalancbmk	2	398	34.7	397	34.8	**397**	**34.8**	2	**386**	**35.8**	385	35.8	386	35.7

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

Base Compiler Invocation

C benchmarks:
```
icl -Qstd=c99
```

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 -Qvec-guard-write /F512000000
```

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 -Qstd=c99`

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: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qansi-alias -Qprefetch /F512000000`

401.bzip2: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qprefetch /F512000000`

403.gcc: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast /F512000000`

429.mcf: Same as 401.bzip2

445.gobmk: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-QxT -O2 -Qipo -Qprec-div- -Qansi-alias /F512000000`

456.hmmer: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qunroll2 -Qansi-alias -Qopt-multi-version-aggressive /F512000000`

458.sjeng: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qunroll4 /F512000000`

462.libquantum: `-fast -Qunroll4 -Ob0 -Qprefetch -Qopt-streaming-stores:always -Qparallel -Qpar-runtime-control /F512000000 shlw32mt.lib`

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Peak Optimization Flags (Continued)

464.h264ref: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2 -Qansi-alias /F512000000

C++ benchmarks:

471.omnetpp: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias -Qopt-ra-region-strategy=block -Qcxx_features /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

473.astar: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias -Qopt-ra-region-strategy=routine -Qcxx_features /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

483.xalancbmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias -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.ic10.1.windows.flags.20090714.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/dell.ic10.1.windows.flags.20090714.xml

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

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