SPEC® CINT2006 Result

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Dell Inc.

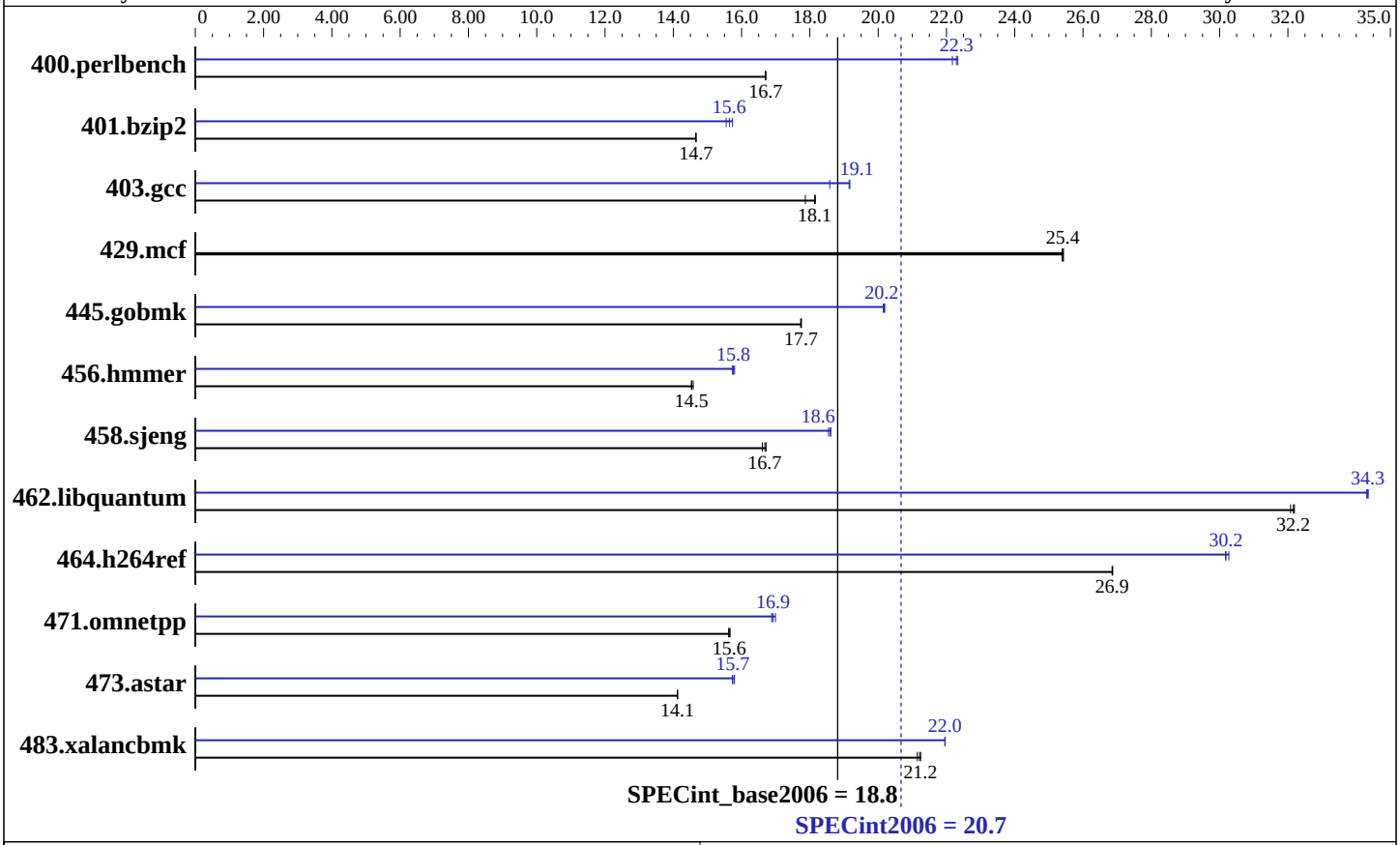
Dell Precision M6300 (Intel T9500, 2.60 GHz)

SPECint®2006 = 20.7

SPECint_base2006 = 18.8

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					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	**585**	**16.7**	585	16.7	585	16.7	437	22.3	441	22.2	**438**	**22.3**
401.bzip2	658	14.7	**658**	**14.7**	659	14.7	**617**	**15.6**	613	15.7	621	15.5
403.gcc	451	17.9	**444**	**18.1**	443	18.2	**420**	**19.1**	433	18.6	420	19.2
429.mcf	359	25.4	359	25.4	**359**	**25.4**	359	25.4	359	25.4	**359**	**25.4**
445.gobmk	591	17.8	592	17.7	**591**	**17.7**	**520**	**20.2**	521	20.1	520	20.2
456.hmmer	640	14.6	642	14.5	**642**	**14.5**	**592**	**15.8**	593	15.7	591	15.8
458.sjeng	724	16.7	729	16.6	**725**	**16.7**	652	18.5	650	18.6	**651**	**18.6**
462.libquantum	**644**	**32.2**	646	32.1	644	32.2	603	34.4	604	34.3	**603**	**34.3**
464.h264ref	824	26.9	**824**	**26.9**	824	26.9	**733**	**30.2**	731	30.3	733	30.2
471.omnetpp	399	15.7	400	15.6	**400**	**15.6**	**369**	**16.9**	368	17.0	370	16.9
473.astar	497	14.1	497	14.1	**497**	**14.1**	**446**	**15.7**	445	15.8	446	15.7
483.xalancbmk	325	21.2	**325**	**21.2**	326	21.1	**314**	**22.0**	314	22.0	314	22.0

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 -Qparallel -Qpar-runtime-control -Qvec-guard-write /F512000000
libguide40.lib
```

C++ benchmarks:
```
-fast -Qcxx_features /F512000000 shlw32m.lib libguide40.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 -Qparallel -Qpar-runtime-control /F512000000 shlw32m.lib libguide40.lib -link /FORCE:MULTIPLE`

401.bzip2: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qprefetch /F512000000 libguide40.lib`

403.gcc: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast /F512000000 libguide40.lib`

429.mcf: `basepeak = yes`

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 libguide40.lib`

458.sjeng: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qunroll4 /F512000000 libguide40.lib`

Continued on next page

Peak Optimization Flags (Continued)

462.libquantum: `-fast -Qunroll4 -Ob0 -Qprefetch -Qopt-streaming-stores:always -Qparallel -Qpar-runtime-control /F512000000 libguide40.lib`

464.h264ref: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qunroll2 -Qansi-alias /F512000000 libguide40.lib`

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 libguide40.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 libguide40.lib -link /FORCE:MULTIPLE`

483.xalancbmk: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qansi-alias -Qcxx_features /F512000000 shlw32m.lib libguide40.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`

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