



SPEC® CINT2006 Result

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Dell Inc.

SPECint®2006 = 20.7

Dell Precision M6300 (Intel T9500, 2.60 GHz)

SPECint_base2006 = 18.8

CPU2006 license: 55

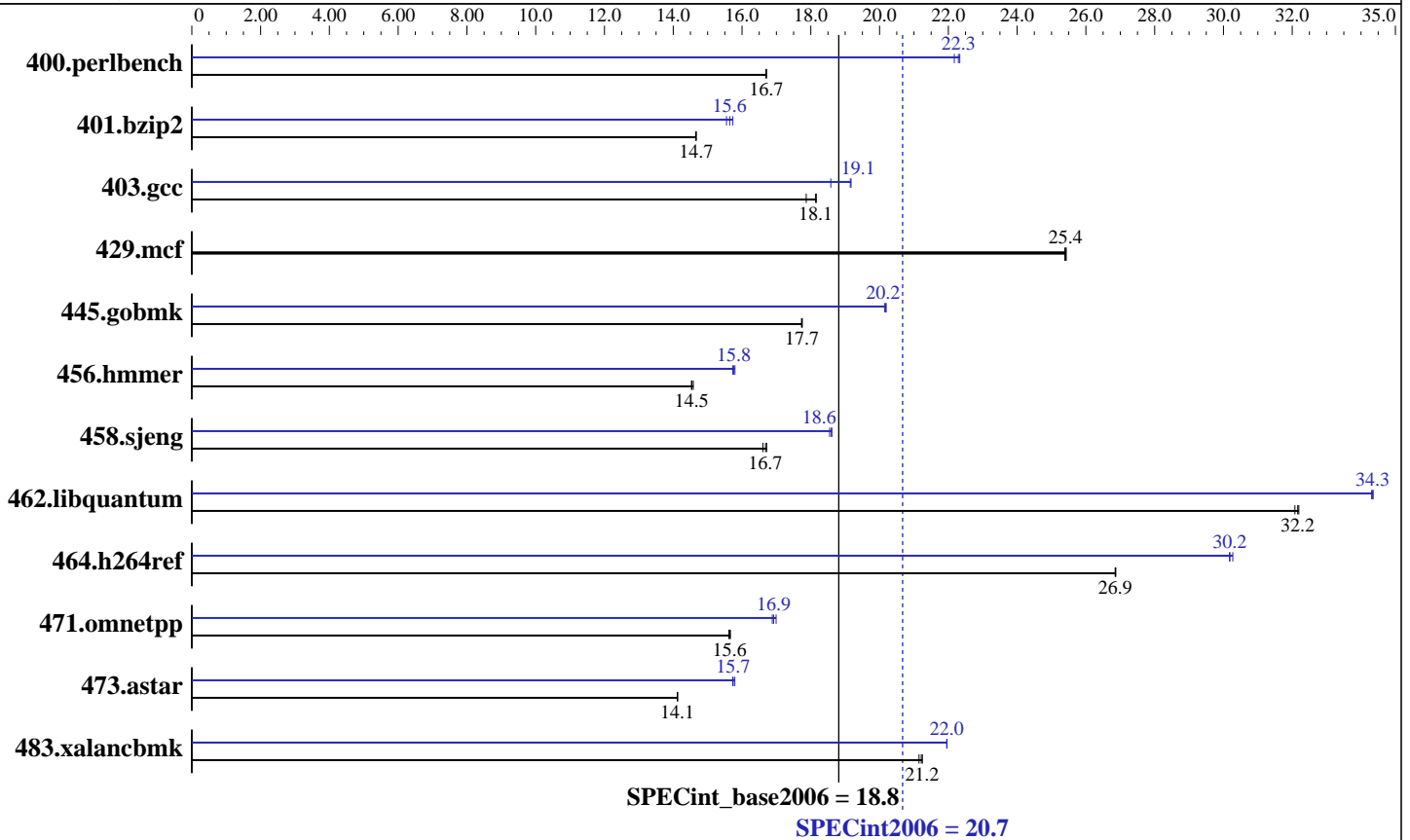
Test date: Apr-2008

Test sponsor: Dell Inc.

Hardware Availability: Mar-2008

Tested by: Dell Inc.

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.hammer	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



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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

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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 -Qunroll12
-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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