



SPEC® CINT2006 Result

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Dell Inc.
(Test Sponsor: Intel Corporation)

SPECint®2006 = 19.3

XPS M1730 (Intel Core 2 Extreme X7900) SPECint_base2006 = 17.4

CPU2006 license: 13

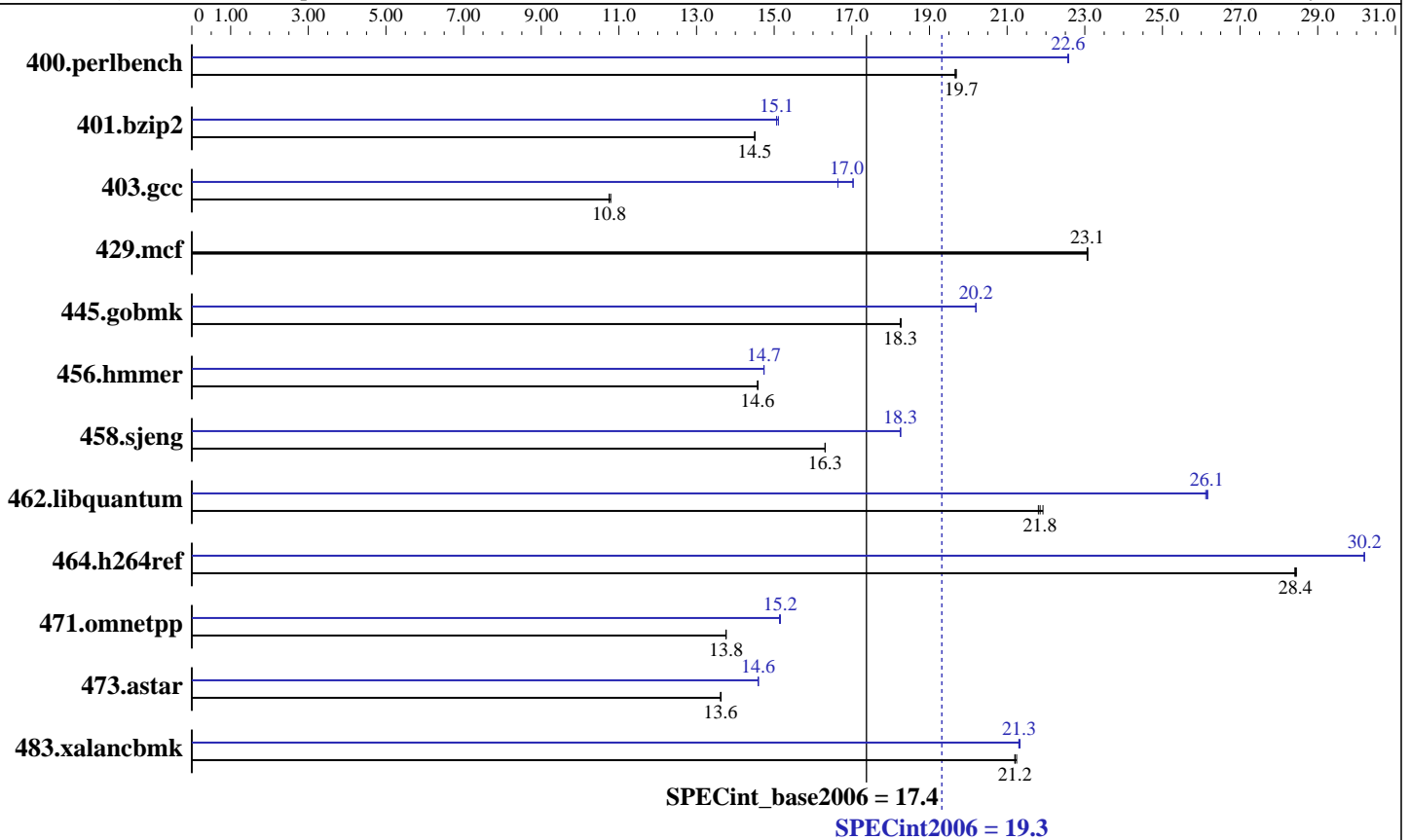
Test date: Jul-2007

Test sponsor: Intel Corporation

Hardware Availability: Aug-2007

Tested by: Intel Corporation

Software Availability: May-2007



Hardware

CPU Name: Intel Core 2 Extreme X7900
 CPU Characteristics:
 CPU MHz: 2800
 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 (2x1GB Qimonda DDR2-667 CL5)
 Disk Subsystem: 80GB SATA, 7200 RPM
 Other Hardware: None

Software

Operating System: Windows Vista Ultimate (32-bit)
 Compiler: Intel C++ Compiler for IA32 version 10.0
 Build 20070426 Package ID: W_CC_P_10.0.025
 Microsoft Visual Studio .Net 2003 (for libraries)
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: SmartHeap Library Version 8.0 from
<http://www.microquill.com/>



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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	497	19.7	496	19.7	<u>497</u>	<u>19.7</u>	433	22.6	433	22.6	<u>433</u>	<u>22.6</u>
401.bzip2	665	14.5	666	14.5	<u>666</u>	<u>14.5</u>	639	15.1	641	15.1	<u>641</u>	<u>15.1</u>
403.gcc	746	10.8	<u>749</u>	<u>10.8</u>	749	10.7	<u>473</u>	<u>17.0</u>	473	17.0	484	16.6
429.mcf	<u>395</u>	<u>23.1</u>	396	23.1	395	23.1	<u>395</u>	<u>23.1</u>	396	23.1	395	23.1
445.gobmk	<u>575</u>	<u>18.3</u>	575	18.3	574	18.3	520	20.2	519	20.2	<u>519</u>	<u>20.2</u>
456.hammer	<u>640</u>	<u>14.6</u>	640	14.6	640	14.6	<u>633</u>	<u>14.7</u>	633	14.7	633	14.7
458.sjeng	<u>742</u>	<u>16.3</u>	742	16.3	742	16.3	<u>663</u>	<u>18.3</u>	663	18.3	663	18.3
462.libquantum	<u>948</u>	<u>21.8</u>	950	21.8	945	21.9	793	26.1	<u>792</u>	<u>26.1</u>	792	26.2
464.h264ref	779	28.4	<u>778</u>	<u>28.4</u>	778	28.5	<u>733</u>	<u>30.2</u>	733	30.2	733	30.2
471.omnetpp	454	13.8	454	13.8	<u>454</u>	<u>13.8</u>	413	15.1	412	15.2	<u>412</u>	<u>15.2</u>
473.astar	<u>515</u>	<u>13.6</u>	515	13.6	515	13.6	481	14.6	481	14.6	<u>481</u>	<u>14.6</u>
483.xalancbmk	325	21.2	325	21.2	<u>325</u>	<u>21.2</u>	<u>324</u>	<u>21.3</u>	323	21.3	324	21.3

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

General Notes

nVidia GeForce 8700M GT discrete graphics card
Binaries were built on Windows XP Professional SP2

Base Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99
C++ benchmarks:
icl -Qvc7.1

Base Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32

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 -Qvc7.1 -Qc99
```

C++ benchmarks:

```
icl -Qvc7.1
```

Peak Portability Flags

```
403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32
```

Peak Optimization Flags

C benchmarks:

```
400.perlbench: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qprefetch /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE
```

```
401.bzip2: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
shlw32m.lib -link /FORCE:MULTIPLE
```

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

```
429.mcf: basepeak = yes
```

```
445.gobmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxT -O2 -Qipo
-Qprec_div- -Qansi-alias /F512000000
-link /FORCE:MULTIPLE
```

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Peak Optimization Flags (Continued)

456.hmmcr: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2
-Qansi-alias /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

458.sjeng: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll4
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

462.libquantum: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll4
-Ob0 -Qprefetch -Qopt-streaming-stores:always /F512000000
shlw32m.lib -link /FORCE:MULTIPLE

464.h264ref: Same as 456.hmmcr

C++ benchmarks:

-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/Intel-ic10-ia32-intel64-linux-flags.20090714.47.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/Intel-ic10-ia32-intel64-linux-flags.20090714.47.xml>

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For other inquiries, please contact webmaster@spec.org.

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