



# SPEC® CINT2006 Result

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Hewlett-Packard Company

(Test Sponsor: Intel Corporation)

SPECint®2006 = **Not Run**

Compaq 6515B (AMD Turion 64 X2 TL-56)

SPECint\_base2006 = **6.93**

CPU2006 license: 13

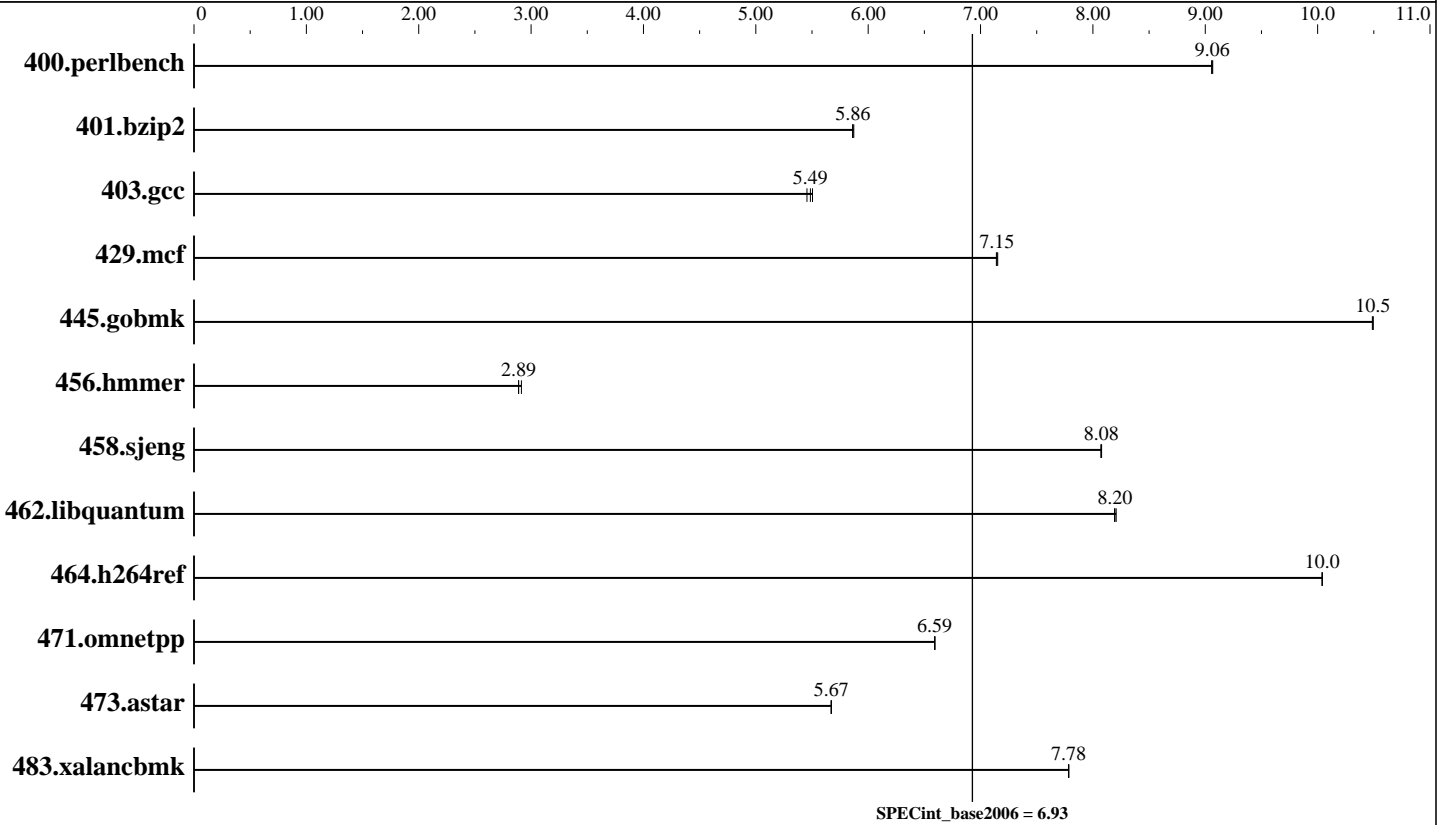
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Jun-2007

Hardware Availability: Jun-2007

Software Availability: Feb-2007



## Hardware

CPU Name: AMD Turion 64 X2 TL-56  
 CPU Characteristics: 1.8 GHz 2x512KB L2  
 CPU MHz: 1800  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
 CPU(s) orderable: 1 chip  
 Primary Cache: 64 KB I + 64 KB D on chip per core  
 Secondary Cache: 512 KB I+D on chip per core  
 L3 Cache: None  
 Other Cache: None  
 Memory: 2 GB (2x1GB Qimonda HYS64T128021HDL-3S-B DDR2-667 CL5)  
 Disk Subsystem: Hitachi 100GB 5400rpm SATA HDD  
 Other Hardware: None

## Software

Operating System: Windows Vista32 Business  
 Compiler: Intel C++ Compiler for IA32 version 9.1  
 Build no 20060816  
 Microsoft Visual Studio .Net 2003 (for libraries)  
 Auto Parallel: No  
 File System: NTFS  
 System State: Default  
 Base Pointers: 32-bit  
 Peak Pointers: Not Applicable  
 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	1079	9.06	1078	9.07	<b>1078</b>	<b>9.06</b>						
401.bzip2	1646	5.86	<b>1645</b>	<b>5.86</b>	1643	5.87						
403.gcc	<b>1467</b>	<b>5.49</b>	1476	5.46	1462	5.50						
429.mcf	<b>1276</b>	<b>7.15</b>	1275	7.15	1277	7.14						
445.gobmk	<b>1000</b>	<b>10.5</b>	1000	10.5	1000	10.5						
456.hammer	3231	2.89	<b>3229</b>	<b>2.89</b>	3202	2.91						
458.sjeng	1499	8.07	<b>1498</b>	<b>8.08</b>	1498	8.08						
462.libquantum	<b>2528</b>	<b>8.20</b>	2529	8.19	2525	8.21						
464.h264ref	2204	10.0	2204	10.0	<b>2204</b>	<b>10.0</b>						
471.omnetpp	<b>948</b>	<b>6.59</b>	948	6.59	948	6.59						
473.astar	1238	5.67	1238	5.67	<b>1238</b>	<b>5.67</b>						
483.xalancbmk	886	7.79	<b>886</b>	<b>7.78</b>	887	7.78						

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

## General Notes

Binaries built on Windows XP Professional w/ SP2  
Vista Power Profile set to High Performance

## 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:  
-arch:SSE2 -Qprec-div- -O3 -Qipo /F512000000 shlw32m.lib  
-link /FORCE:MULTIPLE

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## Base Optimization Flags (Continued)

C++ benchmarks:

```
-arch:SSE2 -Qprec-div- -O3 -Qipo -Oi- -Qcxx_features /F512000000
shlw32m.lib -link /FORCE:MULTIPLE
```

## Base 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-ic91-ia32-flags.20090714.html>

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

<http://www.spec.org/cpu2006/flags/Intel-ic91-ia32-flags.20090714.xml>

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For questions about this result, please contact the tester.  
For other inquiries, please contact [webmaster@spec.org](mailto:webmaster@spec.org).

Tested with SPEC CPU2006 v1.0.  
Report generated on Tue Jul 22 12:41:15 2014 by SPEC CPU2006 PS/PDF formatter v6932.  
Originally published on 8 August 2007.