



SPEC® CFP2006 Result

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Hewlett-Packard Company

(Test Sponsor: Intel Corporation)

SPECfp®2006 = **Not Run**

Compaq 6515B (AMD Turion 64 X2 TL-60)

SPECfp_base2006 = **7.18**

CPU2006 license: 13

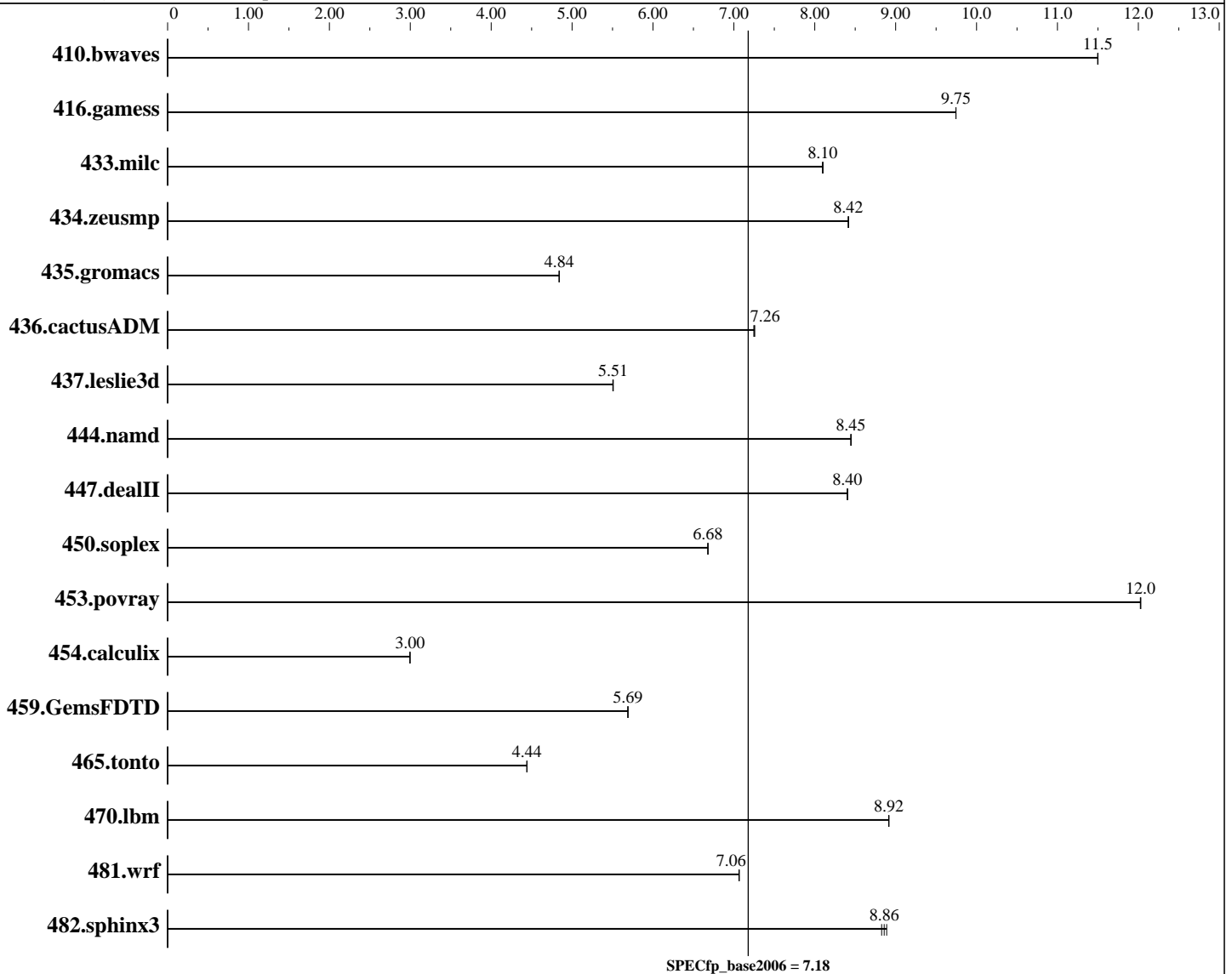
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Jun-2007

Hardware Availability: Jun-2007

Software Availability: Feb-2007



Hardware

CPU Name: AMD Turion 64 X2 TL-60
 CPU Characteristics: 2.0 GHz 2x512KB L2
 CPU MHz: 2000
 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

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Software

Operating System: Windows Vista32 Business
 Compiler: Intel C++ Compiler for IA32 version 9.1
 Build no 20060816
 Intel Fortran 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

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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

Base Pointers: 32-bit
Peak Pointers: Not Applicable
Other Software: SmartHeap Library Version 8.0 from <http://www.microquill.com/>

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	<u>1182</u>	<u>11.5</u>	1182	11.5	1182	11.5						
416.gamess	2009	9.74	<u>2009</u>	<u>9.75</u>	2009	9.75						
433.milc	1134	8.10	1133	8.10	<u>1133</u>	<u>8.10</u>						
434.zeusmp	<u>1081</u>	<u>8.42</u>	1082	8.41	1081	8.42						
435.gromacs	1475	4.84	<u>1475</u>	<u>4.84</u>	1475	4.84						
436.cactusADM	1649	7.25	1647	7.26	<u>1647</u>	<u>7.26</u>						
437.leslie3d	1708	5.50	<u>1707</u>	<u>5.51</u>	1707	5.51						
444.namd	950	8.45	<u>950</u>	<u>8.45</u>	949	8.45						
447.dealII	1361	8.41	1362	8.40	<u>1361</u>	<u>8.40</u>						
450.soplex	1248	6.68	<u>1249</u>	<u>6.68</u>	1249	6.68						
453.povray	442	12.0	<u>442</u>	<u>12.0</u>	442	12.0						
454.calculix	<u>2754</u>	<u>3.00</u>	2754	3.00	2754	3.00						
459.GemsFDTD	<u>1865</u>	<u>5.69</u>	1864	5.69	1865	5.69						
465.tonto	2215	4.44	2215	4.44	<u>2215</u>	<u>4.44</u>						
470.lbm	1541	8.91	1541	8.92	<u>1541</u>	<u>8.92</u>						
481.wrf	1581	7.07	<u>1581</u>	<u>7.06</u>	1581	7.06						
482.sphinx3	2193	8.89	2208	8.83	<u>2200</u>	<u>8.86</u>						

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

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Base Compiler Invocation (Continued)

Fortran benchmarks:

ifort

Benchmarks using both Fortran and C:

icl -Qvc7.1 -Qc99 ifort

Base Portability Flags

436.cactusADM: -Qlowercase /assume:underscore

444.namd: -TP

447.dealII: -DDEAL_II_MEMBER_VAR_SPECIALIZATION_BUG
-DBOOST_NO_INTRINSIC_WCHAR_T

453.povray: -DSPEC_CPU_WINDOWS_ICL

454.calculix: -DSPEC_CPU_NOZMODIFIER -Qlowercase

481.wrf: -DSPEC_CPU_WINDOWS_ICL

Base Optimization Flags

C benchmarks:

-arch:SSE2 -Qprec-div- -O3 -Qipo /F950000000 shlw32m.lib
-link /FORCE:MULTIPLE

C++ benchmarks:

-arch:SSE2 -Qprec-div- -O3 -Qipo -Oi- -Qcxx_features /F950000000
shlw32m.lib -link /FORCE:MULTIPLE

Fortran benchmarks:

-arch:SSE2 -Qprec-div- -O3 -Qipo -Oi- /F950000000
-link /FORCE:MULTIPLE

Benchmarks using both Fortran and C:

-arch:SSE2 -Qprec-div- -O3 -Qipo -Oi- /F950000000
-link /FORCE:MULTIPLE

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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