



SPEC® CFP2006 Result

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Hewlett-Packard Company

(Test Sponsor: Intel Corporation)

SPECfp®_rate2006 = Not Run

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

SPECfp_rate_base2006 = 11.6

CPU2006 license: 13

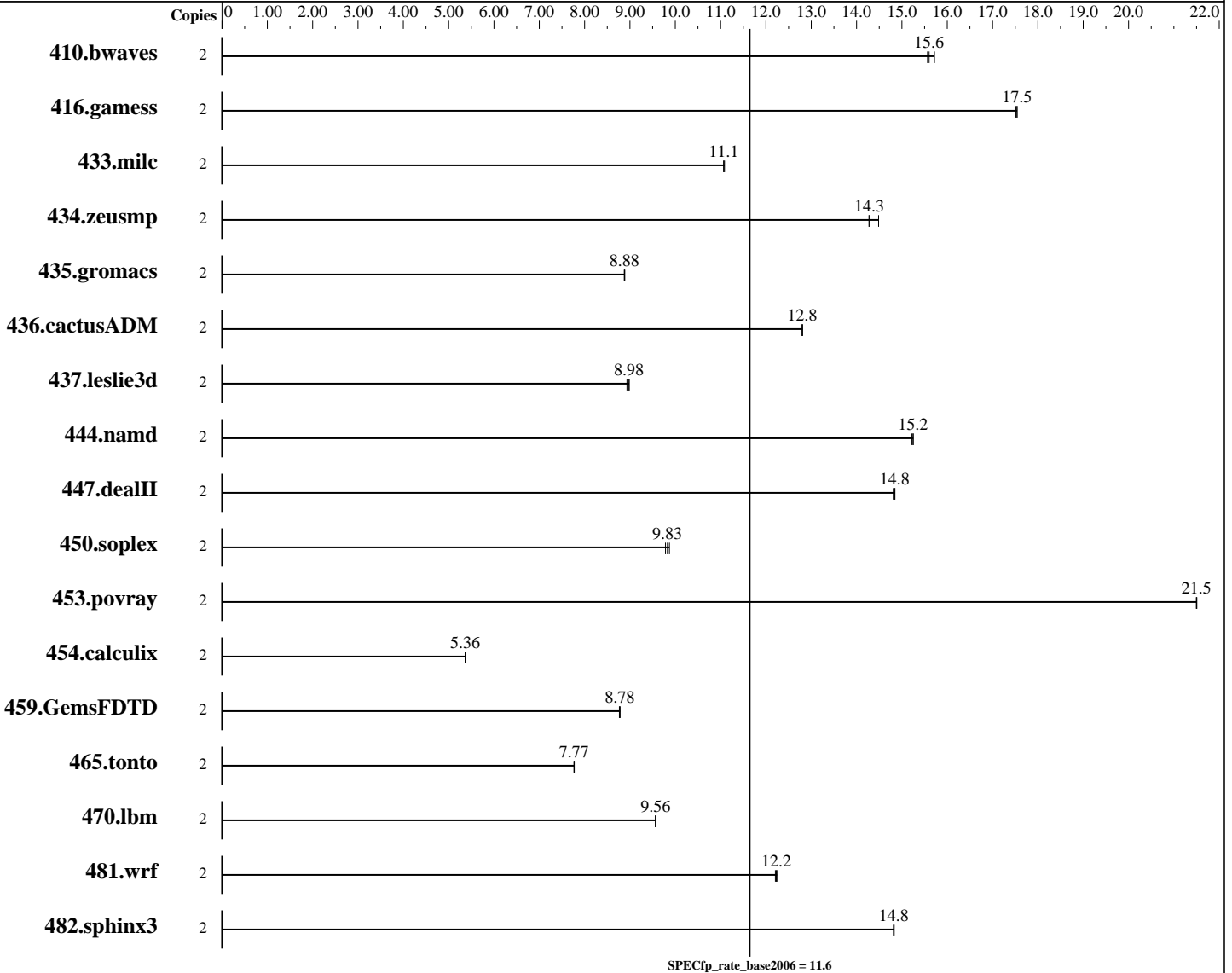
Test sponsor: Intel Corporation

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

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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							
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio		
410.bwaves	2	1746	15.6	<u>1742</u>	<u>15.6</u>	1729	15.7									
416.gamess	2	<u>2233</u>	<u>17.5</u>	2236	17.5	2233	17.5									
433.milc	2	1656	11.1	1659	11.1	<u>1658</u>	<u>11.1</u>									
434.zeusmp	2	1256	14.5	1275	14.3	<u>1274</u>	<u>14.3</u>									
435.gromacs	2	<u>1608</u>	<u>8.88</u>	1609	8.87	1607	8.89									
436.cactusADM	2	1867	12.8	<u>1867</u>	<u>12.8</u>	1866	12.8									
437.leslie3d	2	2104	8.93	<u>2094</u>	<u>8.98</u>	2093	8.98									
444.namd	2	<u>1052</u>	<u>15.2</u>	1054	15.2	1052	15.3									
447.dealII	2	1545	14.8	1541	14.8	<u>1542</u>	<u>14.8</u>									
450.soplex	2	1690	9.87	1705	9.78	<u>1697</u>	<u>9.83</u>									
453.povray	2	495	21.5	<u>495</u>	<u>21.5</u>	495	21.5									
454.calculix	2	3072	5.37	<u>3076</u>	<u>5.36</u>	3077	5.36									
459.GemsFDTD	2	2416	8.78	<u>2418</u>	<u>8.78</u>	2421	8.77									
465.tonto	2	<u>2533</u>	<u>7.77</u>	2532	7.77	2534	7.77									
470.lbm	2	2873	9.57	2873	9.56	<u>2873</u>	<u>9.56</u>									
481.wrf	2	<u>1827</u>	<u>12.2</u>	1830	12.2	1825	12.2									
482.sphinx3	2	2629	14.8	2631	14.8	<u>2630</u>	<u>14.8</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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For other inquiries, please contact webmaster@spec.org.

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