



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-60)

SPECfp_rate_base2006 = 13.0

CPU2006 license: 13

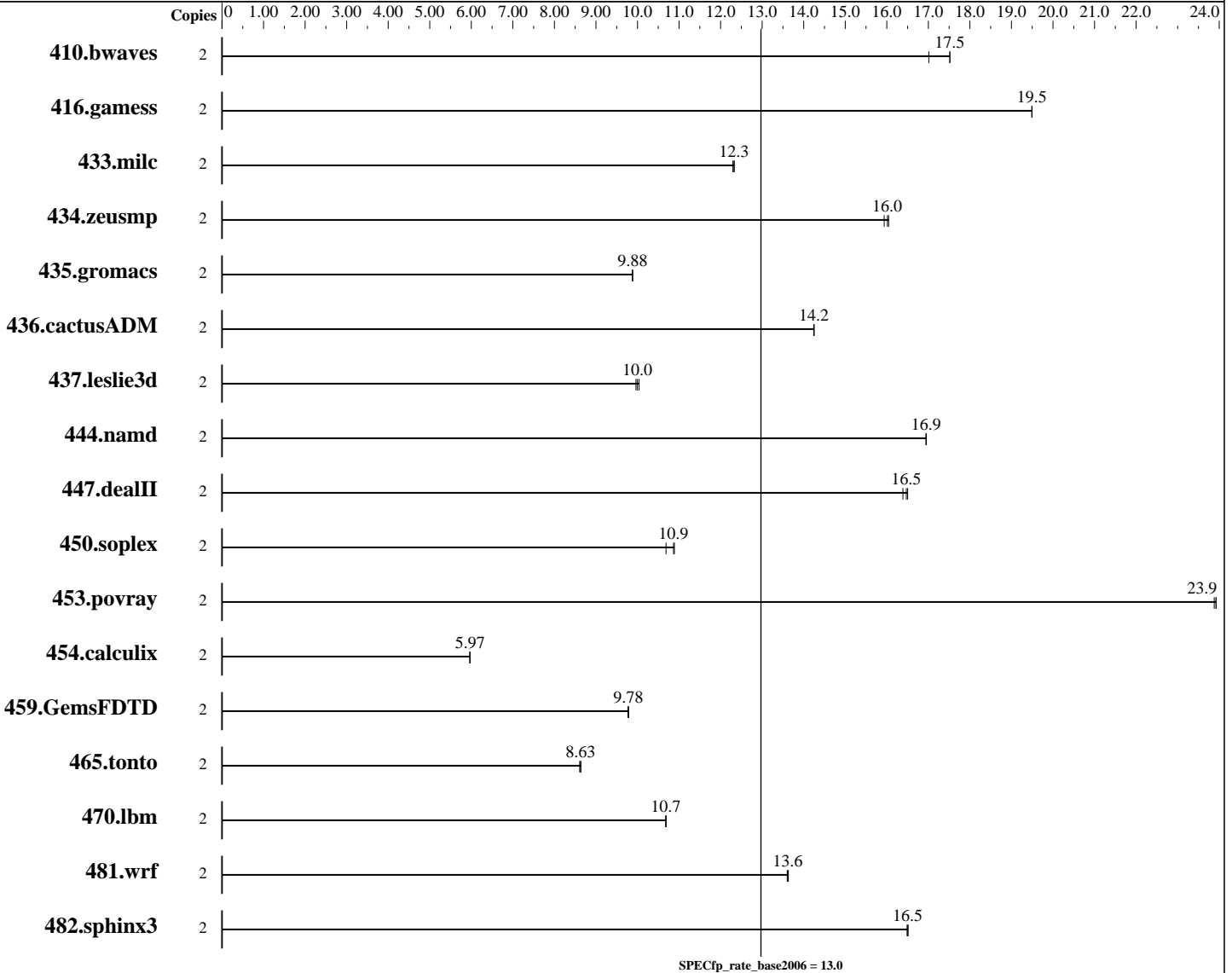
Test sponsor: Intel Corporation

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						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	2	1552	17.5	<u>1552</u>	<u>17.5</u>	1598	17.0							
416.gamess	2	2009	19.5	2009	19.5	<u>2009</u>	<u>19.5</u>							
433.milc	2	1490	12.3	<u>1490</u>	<u>12.3</u>	1493	12.3							
434.zeusmp	2	1142	15.9	<u>1136</u>	<u>16.0</u>	1134	16.0							
435.gromacs	2	<u>1445</u>	<u>9.88</u>	1445	9.88	1446	9.88							
436.cactusADM	2	<u>1677</u>	<u>14.2</u>	1677	14.2	1678	14.2							
437.leslie3d	2	1873	10.0	1887	9.96	<u>1880</u>	<u>10.0</u>							
444.namd	2	<u>947</u>	<u>16.9</u>	947	16.9	946	17.0							
447.dealII	2	1387	16.5	1396	16.4	<u>1389</u>	<u>16.5</u>							
450.soplex	2	1532	10.9	1561	10.7	<u>1535</u>	<u>10.9</u>							
453.povray	2	<u>445</u>	<u>23.9</u>	446	23.9	445	23.9							
454.calculix	2	2766	5.96	<u>2765</u>	<u>5.97</u>	2764	5.97							
459.GemsFDTD	2	2172	9.77	<u>2170</u>	<u>9.78</u>	2169	9.79							
465.tonto	2	<u>2280</u>	<u>8.63</u>	2286	8.61	2279	8.64							
470.lbm	2	<u>2572</u>	<u>10.7</u>	2572	10.7	2572	10.7							
481.wrf	2	<u>1640</u>	<u>13.6</u>	1642	13.6	1639	13.6							
482.sphinx3	2	<u>2361</u>	<u>16.5</u>	2364	16.5	2361	16.5							

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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