



SPEC[®] CFP2006 Result

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Hewlett-Packard Company

(Test Sponsor: Intel Corporation)

SPECfp[®]_rate2006 = Not Run

HP dv2000 (Intel Core 2 Duo T7100)

SPECfp_rate_base2006 = 17.6

CPU2006 license: 13

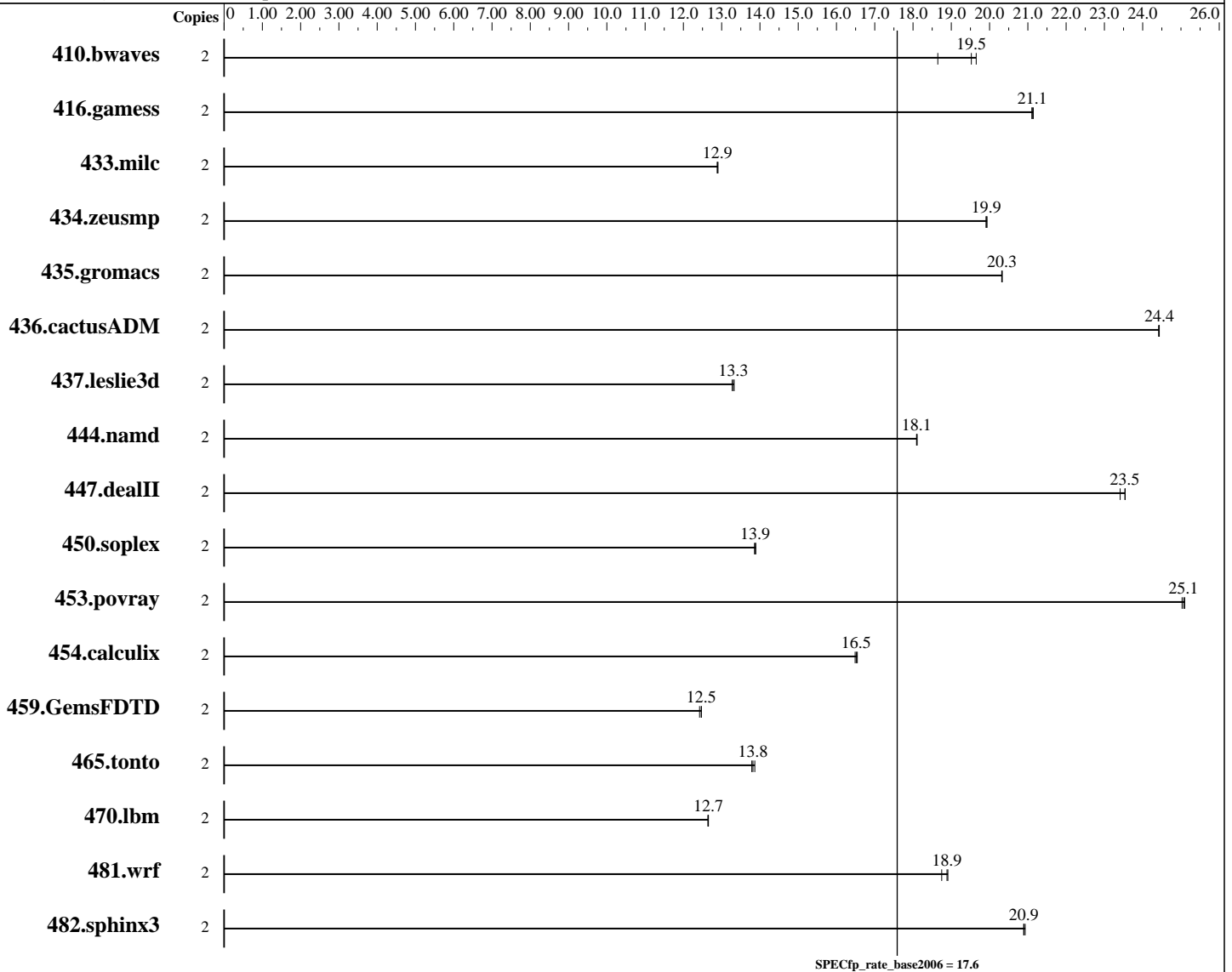
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Jun-2007

Hardware Availability: Jun-2007

Software Availability: Feb-2007



Hardware

CPU Name: Intel Core 2 Duo T7100
 CPU Characteristics: 1.8 GHz 2MB L2
 CPU MHz: 1800
 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: 2 MB I+D on chip per chip

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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 Micron MT16HTF12864HY-667B3 DDR2-667 CL5)
Disk Subsystem: Fujitsu 120GB 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	<u>1392</u>	<u>19.5</u>	1383	19.7	1458	18.6							
416.gamess	2	1855	21.1	<u>1855</u>	<u>21.1</u>	1852	21.1							
433.milc	2	1425	12.9	1423	12.9	<u>1425</u>	<u>12.9</u>							
434.zeusmp	2	914	19.9	913	19.9	<u>914</u>	<u>19.9</u>							
435.gromacs	2	<u>703</u>	<u>20.3</u>	702	20.3	703	20.3							
436.cactusADM	2	979	24.4	978	24.4	<u>978</u>	<u>24.4</u>							
437.leslie3d	2	1411	13.3	<u>1413</u>	<u>13.3</u>	1416	13.3							
444.namd	2	886	18.1	886	18.1	<u>886</u>	<u>18.1</u>							
447.dealII	2	977	23.4	<u>972</u>	<u>23.5</u>	972	23.5							
450.soplex	2	1201	13.9	1204	13.9	<u>1202</u>	<u>13.9</u>							
453.povray	2	425	25.0	424	25.1	<u>424</u>	<u>25.1</u>							
454.calculix	2	997	16.5	<u>999</u>	<u>16.5</u>	1001	16.5							
459.GemsFDTD	2	1702	12.5	<u>1702</u>	<u>12.5</u>	1708	12.4							
465.tonto	2	1427	13.8	<u>1424</u>	<u>13.8</u>	1419	13.9							
470.lbm	2	<u>2172</u>	<u>12.7</u>	2172	12.7	2174	12.6							
481.wrf	2	1192	18.7	1181	18.9	<u>1183</u>	<u>18.9</u>							
482.sphinx3	2	1862	20.9	<u>1865</u>	<u>20.9</u>	1866	20.9							

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:

-fast /F950000000 shlw32m.lib -link /FORCE:MULTIPLE

C++ benchmarks:

-fast -Qcxx_features /F950000000 shlw32m.lib
-link /FORCE:MULTIPLE

Fortran benchmarks:

-fast /F950000000 -link /FORCE:MULTIPLE

Benchmarks using both Fortran and C:

-fast /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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