



SPEC® CFP2006 Result

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Lenovo Group Limited

(Test Sponsor: Intel Corporation)

SPECfp®_rate2006 = Not Run

Lenovo ThinkPad T61(Intel Core 2 Duo T7100)

SPECfp_rate_base2006 = 17.4

CPU2006 license: 13

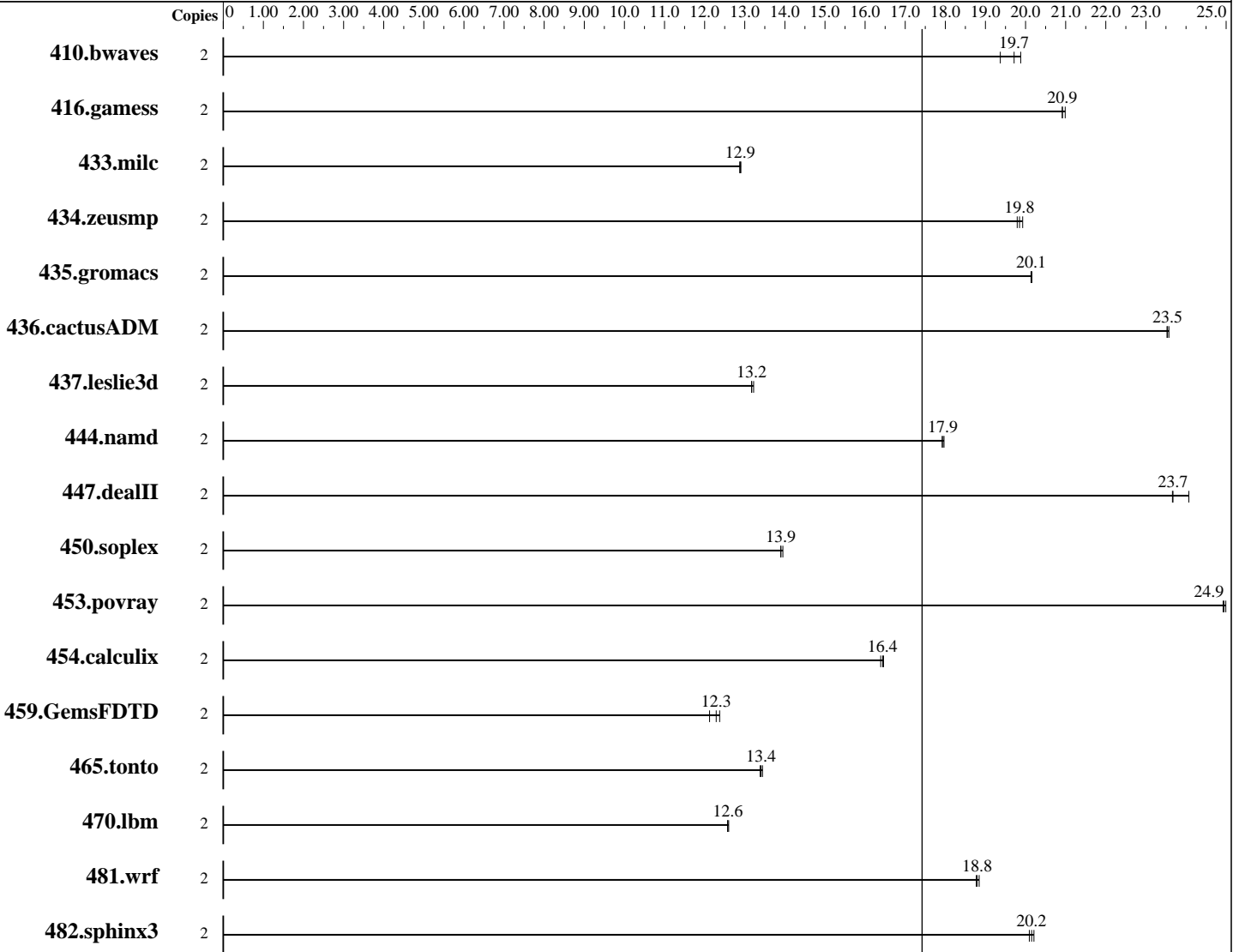
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Jun-2007

Hardware Availability: Jun-2007

Software Availability: Feb-2007



SPECfp_rate_base2006 = 17.4

Hardware

CPU Name: Intel Core 2 Duo T7100
 CPU Characteristics: 1.80 GHz, 2MB L2, 800 MHz Bus
 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 XP Professional w/ SP2
 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* PC-5300 DDR2-667 5-5-5-12)
Disk Subsystem: Hitachi* HTS721010G9 SATA 100GB 7200RPM
Other Hardware: None

Base Pointers: 32-bit
Peak Pointers: Not Applicable
Other Software: SmartHeap library V7.4 from Microquill

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	2	<u>1379</u>	<u>19.7</u>	1367	19.9	1403	19.4							
416.gamess	2	1866	21.0	<u>1872</u>	<u>20.9</u>	1872	20.9							
433.milc	2	1423	12.9	<u>1424</u>	<u>12.9</u>	1426	12.9							
434.zeusmp	2	913	19.9	920	19.8	<u>917</u>	<u>19.8</u>							
435.gromacs	2	<u>709</u>	<u>20.1</u>	708	20.2	709	20.1							
436.cactusADM	2	1014	23.6	<u>1015</u>	<u>23.5</u>	1016	23.5							
437.leslie3d	2	<u>1427</u>	<u>13.2</u>	1422	13.2	1427	13.2							
444.namd	2	893	18.0	<u>894</u>	<u>17.9</u>	895	17.9							
447.dealII	2	<u>966</u>	<u>23.7</u>	951	24.1	967	23.7							
450.soplex	2	1196	14.0	1200	13.9	<u>1200</u>	<u>13.9</u>							
453.povray	2	426	25.0	<u>427</u>	<u>24.9</u>	427	24.9							
454.calculix	2	1002	16.5	<u>1004</u>	<u>16.4</u>	1007	16.4							
459.GemsFDTD	2	1715	12.4	<u>1727</u>	<u>12.3</u>	1750	12.1							
465.tonto	2	1464	13.4	1470	13.4	<u>1468</u>	<u>13.4</u>							
470.lbm	2	2181	12.6	<u>2185</u>	<u>12.6</u>	2186	12.6							
481.wrf	2	1186	18.8	<u>1189</u>	<u>18.8</u>	1190	18.8							
482.sphinx3	2	1929	20.2	<u>1934</u>	<u>20.2</u>	1940	20.1							

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
XP Power Profile set to AC/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.20090714.00.html>

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

<http://www.spec.org/cpu2006/flags/Intel-ic91-ia32-flags.20090714.00.xml>



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