



# SPEC<sup>®</sup> CFP2006 Result

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Lenovo Group Limited

(Test Sponsor: Intel Corporation)

SPECfp<sup>®</sup>\_rate2006 = Not Run

Lenovo ThinkPad T61(Intel Core 2 Duo T7100)

SPECfp\_rate\_base2006 = 16.9

CPU2006 license: 13

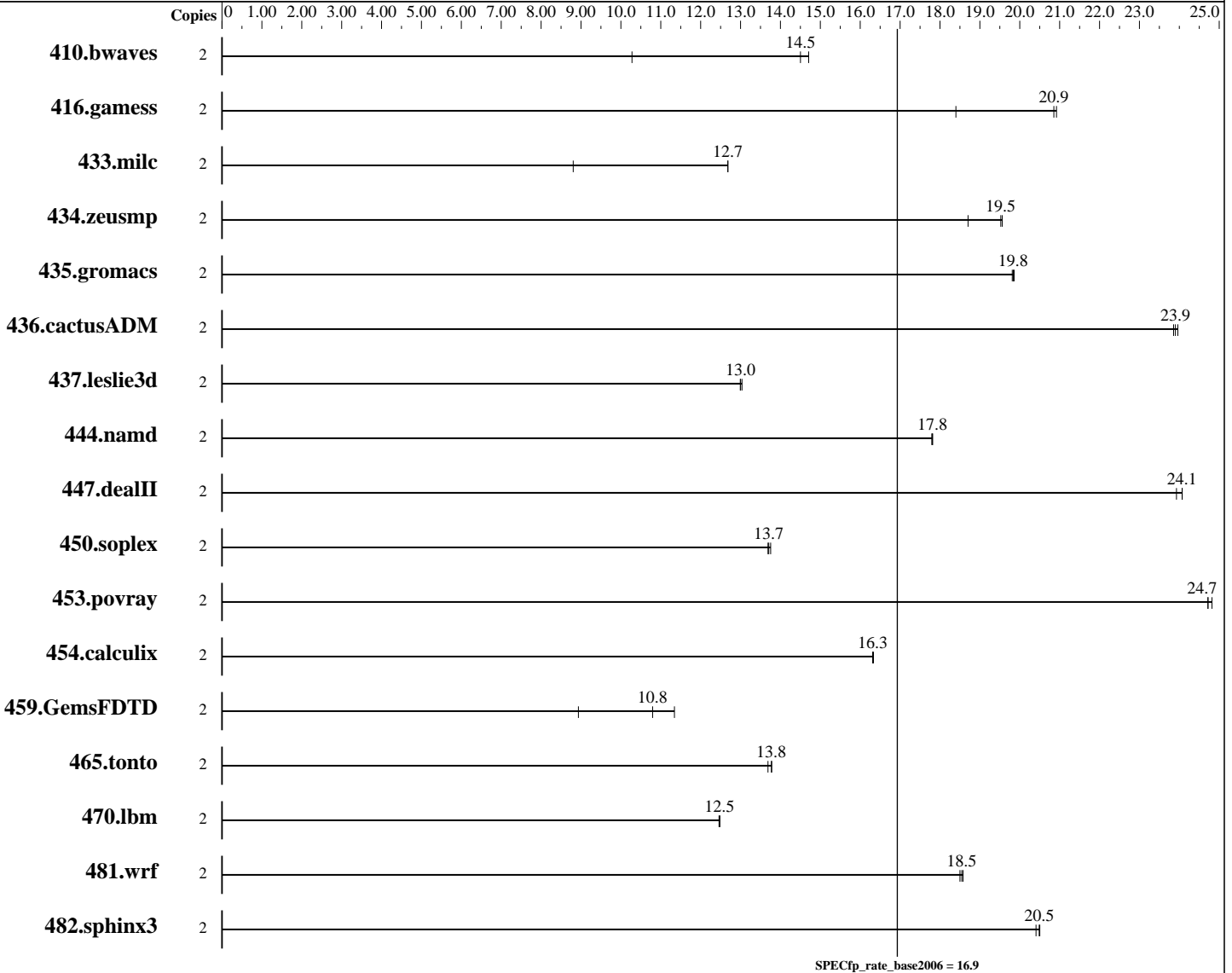
Test sponsor: Intel Corporation

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: 1.80 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 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\* 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	1848	14.7	2644	10.3	<b>1874</b>	<b>14.5</b>							
416.gamess	2	1872	20.9	<b>1878</b>	<b>20.9</b>	2128	18.4							
433.milc	2	1448	12.7	<b>1448</b>	<b>12.7</b>	2085	8.81							
434.zeusmp	2	930	19.6	<b>932</b>	<b>19.5</b>	973	18.7							
435.gromacs	2	<b>720</b>	<b>19.8</b>	721	19.8	719	19.9							
436.cactusADM	2	<b>1000</b>	<b>23.9</b>	997	24.0	1002	23.9							
437.leslie3d	2	<b>1446</b>	<b>13.0</b>	1447	13.0	1442	13.0							
444.namd	2	901	17.8	<b>901</b>	<b>17.8</b>	900	17.8							
447.dealII	2	<b>951</b>	<b>24.1</b>	956	23.9	950	24.1							
450.soplex	2	1213	13.8	<b>1217</b>	<b>13.7</b>	1219	13.7							
453.povray	2	430	24.7	<b>430</b>	<b>24.7</b>	429	24.8							
454.calculix	2	1010	16.3	1011	16.3	<b>1011</b>	<b>16.3</b>							
459.GemsFDTD	2	1871	11.3	<b>1966</b>	<b>10.8</b>	2375	8.93							
465.tonto	2	<b>1429</b>	<b>13.8</b>	1438	13.7	1428	13.8							
470.lbm	2	<b>2202</b>	<b>12.5</b>	2202	12.5	2205	12.5							
481.wrf	2	<b>1205</b>	<b>18.5</b>	1208	18.5	1202	18.6							
482.sphinx3	2	1910	20.4	<b>1903</b>	<b>20.5</b>	1901	20.5							

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:  
-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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For questions about this result, please contact the tester.  
For other inquiries, please contact [webmaster@spec.org](mailto:webmaster@spec.org).

Tested with SPEC CPU2006 v1.0.  
Report generated on Tue Jul 22 12:21:11 2014 by SPEC CPU2006 PS/PDF formatter v6932.  
Originally published on 21 August 2007.