



# SPEC<sup>®</sup> CFP2006 Result

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Lenovo Group Limited

(Test Sponsor: Intel Corporation)

SPECfp<sup>®</sup>2006 = **Not Run**

Lenovo ThinkPad T61(Intel Core 2 Duo T7700)

SPECfp\_base2006 = **13.6**

CPU2006 license: 13

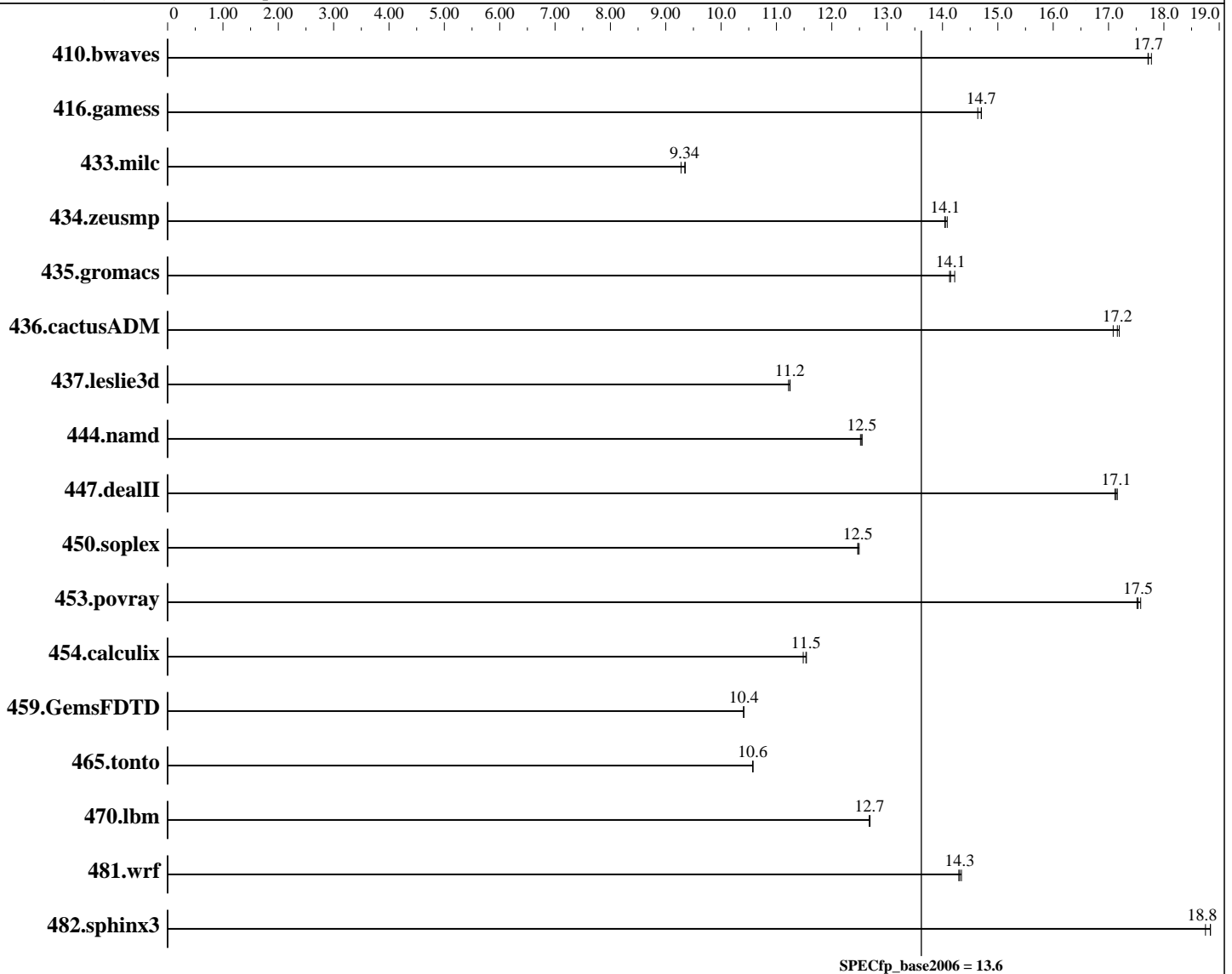
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Jun-2007

Hardware Availability: Jun-2007

Software Availability: Feb-2007



SPECfp\_base2006 = 13.6

### Hardware

CPU Name: Intel Core 2 Duo T7700  
 CPU Characteristics: 2.40 GHz, 4MB L2, 800 MHz Bus  
 CPU MHz: 2400  
 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: 4 MB I+D on chip per chip

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### Software

Operating System: Windows Vista 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					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	765	17.8	<b>767</b>	<b>17.7</b>	767	17.7						
416.gamess	<b>1332</b>	<b>14.7</b>	1332	14.7	1338	14.6						
433.milc	990	9.28	<b>983</b>	<b>9.34</b>	982	9.35						
434.zeusmp	646	14.1	<b>648</b>	<b>14.1</b>	648	14.0						
435.gromacs	505	14.1	<b>505</b>	<b>14.1</b>	502	14.2						
436.cactusADM	699	17.1	<b>696</b>	<b>17.2</b>	695	17.2						
437.leslie3d	836	11.2	<b>836</b>	<b>11.2</b>	838	11.2						
444.namd	641	12.5	639	12.5	<b>639</b>	<b>12.5</b>						
447.dealII	<b>667</b>	<b>17.1</b>	668	17.1	667	17.2						
450.soplex	<b>669</b>	<b>12.5</b>	669	12.5	667	12.5						
453.povray	303	17.6	<b>303</b>	<b>17.5</b>	304	17.5						
454.calculix	715	11.5	718	11.5	<b>715</b>	<b>11.5</b>						
459.GemsFDTD	1019	10.4	1020	10.4	<b>1019</b>	<b>10.4</b>						
465.tonto	<b>931</b>	<b>10.6</b>	930	10.6	931	10.6						
470.lbm	1084	12.7	<b>1083</b>	<b>12.7</b>	1083	12.7						
481.wrf	779	14.3	781	14.3	<b>780</b>	<b>14.3</b>						
482.sphinx3	<b>1034</b>	<b>18.8</b>	1034	18.8	1039	18.8						

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).

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