SPEC® CFP2006 Result

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Lenovo Group Limited

(Test Sponsor: Intel Corporation)

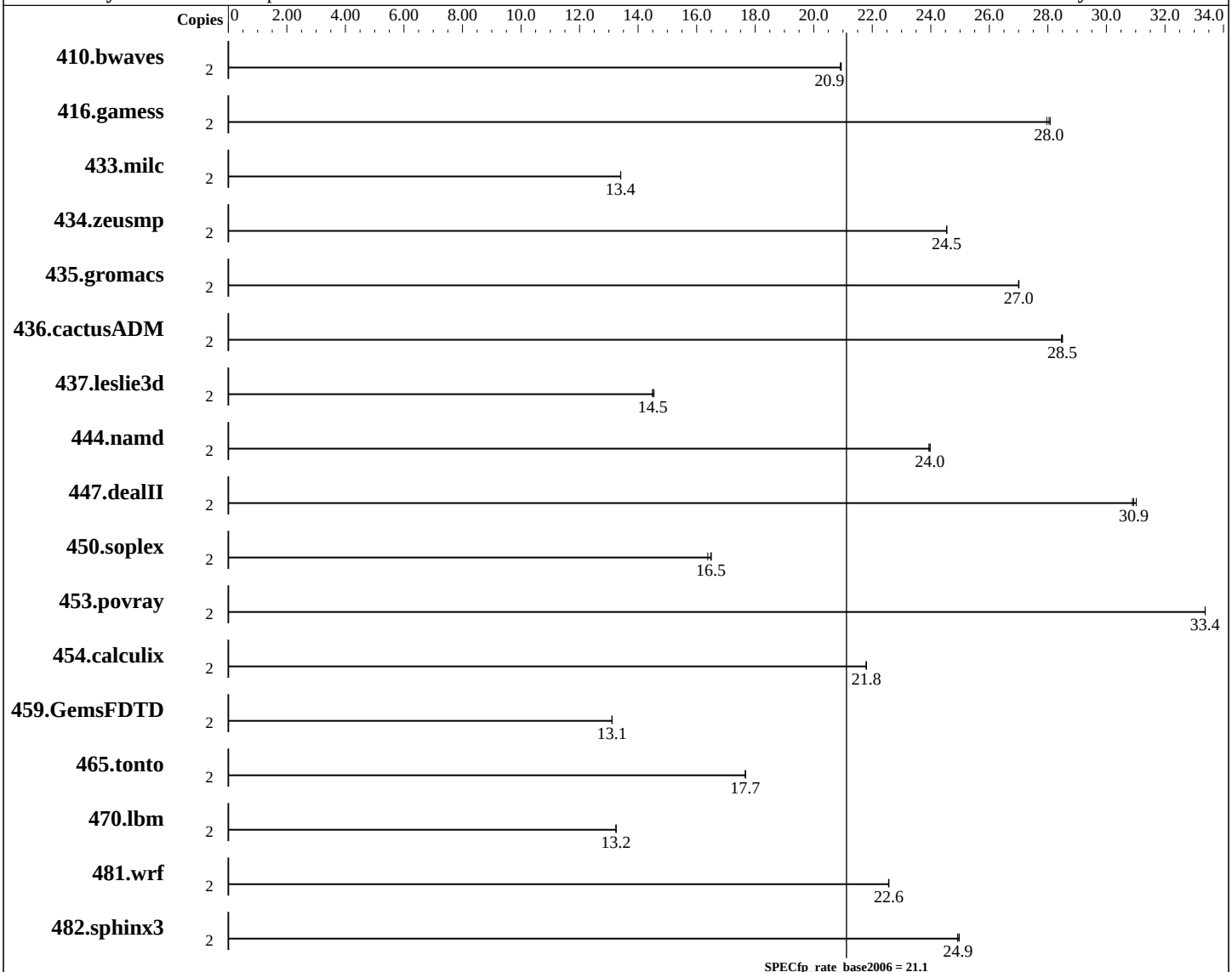
Lenovo ThinkPad T61(Intel Core 2 Duo T7700)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 21.1

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 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 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	**1298**	**20.9**	1298	20.9	1300	20.9							
416.gamess	2	1400	28.0	1395	28.1	**1397**	**28.0**							
433.milc	2	1370	13.4	**1370**	**13.4**	1369	13.4							
434.zeusmp	2	741	24.6	**742**	**24.5**	742	24.5							
435.gromacs	2	529	27.0	529	27.0	**529**	**27.0**							
436.cactusADM	2	839	28.5	840	28.5	**839**	**28.5**							
437.leslie3d	2	**1297**	**14.5**	1292	14.5	1297	14.5							
444.namd	2	**669**	**24.0**	669	24.0	670	23.9							
447.dealII	2	738	31.0	741	30.9	**740**	**30.9**							
450.soplex	2	**1012**	**16.5**	1018	16.4	1011	16.5							
453.povray	2	319	33.4	**319**	**33.4**	319	33.4							
454.calculix	2	757	21.8	757	21.8	**757**	**21.8**							
459.GemsFDTD	2	**1619**	**13.1**	1619	13.1	1619	13.1							
465.tonto	2	1114	17.7	1114	17.7	**1114**	**17.7**							
470.lbm	2	**2075**	**13.2**	2075	13.2	2074	13.2							
481.wrf	2	**990**	**22.6**	990	22.6	990	22.6							
482.sphinx3	2	1561	25.0	1565	24.9	**1564**	**24.9**							

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
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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