SPEC® CFP2006 Result

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Intel Corporation

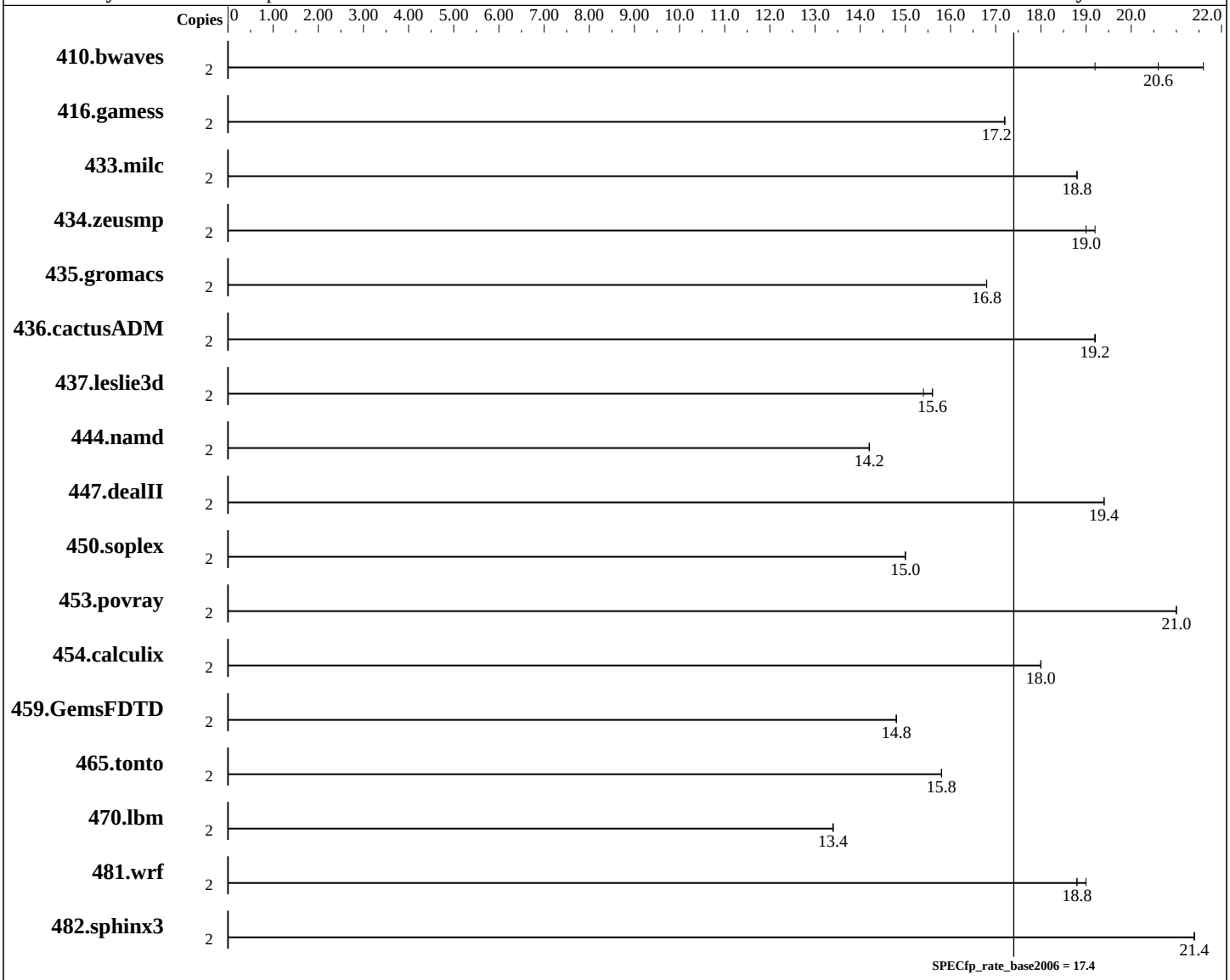
Acer Aspire 3810T (Intel Core 2 Duo SU9400)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 17.4

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: May-2009
Hardware Availability: May-2009
Software Availability: Nov-2008



Hardware

CPU Name:	Intel Core 2 Duo SU9400
CPU Characteristics:	
CPU MHz:	1400
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:	3 MB I+D on chip per chip

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Software

Operating System:	Windows Vista Home Premium w/ SP1 (32-bit)
Compiler:	Intel C++ Compiler Professional 11.0 for IA32 Build 20080930 Package ID: w_cproc_p_11.0.054 Intel Visual Fortran Compiler Professional 11.0 for IA32 Build 20080930 Package ID: w_cprof_p_11.0.054 Microsoft Visual Studio 2008 (for libraries)
Auto Parallel:	No
File System:	NTFS

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L3 Cache: None
Other Cache: None
Memory: 2 GB (2x1GB DDR3-1066 CL7; bios sets it to DDR2-800 CL5)
Disk Subsystem: ST9250315AS 250 GB SATA, 5400RPM
Other Hardware: None

System State: Default
Base Pointers: 32-bit
Peak Pointers: Not Applicable
Other Software: SmartHeap Library Version 8.1 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	1421	19.2	**1317**	**20.6**	1259	21.6							
416.gamess	2	**2277**	**17.2**	2277	17.2	2277	17.2							
433.milc	2	981	18.8	976	18.8	**977**	**18.8**							
434.zeusmp	2	960	19.0	952	19.2	**960**	**19.0**							
435.gromacs	2	851	16.8	**851**	**16.8**	850	16.8							
436.cactusADM	2	1247	19.2	1243	19.2	**1244**	**19.2**							
437.leslie3d	2	1213	15.4	**1209**	**15.6**	1204	15.6							
444.namd	2	1126	14.2	1125	14.2	**1125**	**14.2**							
447.dealII	2	1182	19.4	**1184**	**19.4**	1185	19.4							
450.soplex	2	1109	15.0	1107	15.0	**1108**	**15.0**							
453.povray	2	**505**	**21.0**	504	21.0	505	21.0							
454.calculix	2	913	18.0	**913**	**18.0**	914	18.0							
459.GemsFDTD	2	1428	14.8	1431	14.8	**1431**	**14.8**							
465.tonto	2	**1245**	**15.8**	1244	15.8	1249	15.8							
470.lbm	2	2062	13.4	**2061**	**13.4**	2061	13.4							
481.wrf	2	1182	19.0	1182	18.8	**1182**	**18.8**							
482.sphinx3	2	1818	21.4	**1817**	**21.4**	1815	21.4							

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

Submit Notes

```
The config file option 'submit' was used.
```

General Notes

```
The system bus runs at 800 MHz
Binaries were built on Windows Vista Ultimate (32-bit)
```

Base Compiler Invocation

C benchmarks:

```
icl -Qvc9 -Qc99
```

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Base Compiler Invocation (Continued)

C++ benchmarks:
icl -Qvc9

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
icl -Qvc9 -Qc99 ifort

Base Portability Flags

436.cactusADM: -Qlowercase /assume:underscore
444.namd: -TP
447.dealII: -DDEAL_II_MEMBER_VAR_SPECIALIZATION_BUG
453.povray: -DSPEC_CPU_WINDOWS_ICL
454.calculix: -DSPEC_CPU_NOZMODIFIER -Qlowercase
481.wrf: -DSPEC_CPU_WINDOWS_ICL

Base Optimization Flags

C benchmarks:
-QxSSE4.1 -Qipo -O3 -Qprec-div- -Qopt-prefetch /F1000000000

C++ benchmarks:
-QxSSE4.1 -Qipo -O3 -Qprec-div- -Qopt-prefetch -Qcxx-features
/F1000000000 shlw32m.lib -link /FORCE:MULTIPLE

Fortran benchmarks:
-QxSSE4.1 -Qipo -O3 -Qprec-div- -Qopt-prefetch /F1000000000

Benchmarks using both Fortran and C:
-QxSSE4.1 -Qipo -O3 -Qprec-div- -Qopt-prefetch /F1000000000

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/Intel-ic11.0-win32-revA.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Intel-ic11.0-win32-revA.xml

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For other inquiries, please contact webmaster@spec.org.

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