SPEC® CFP2006 Result

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Intel Corporation

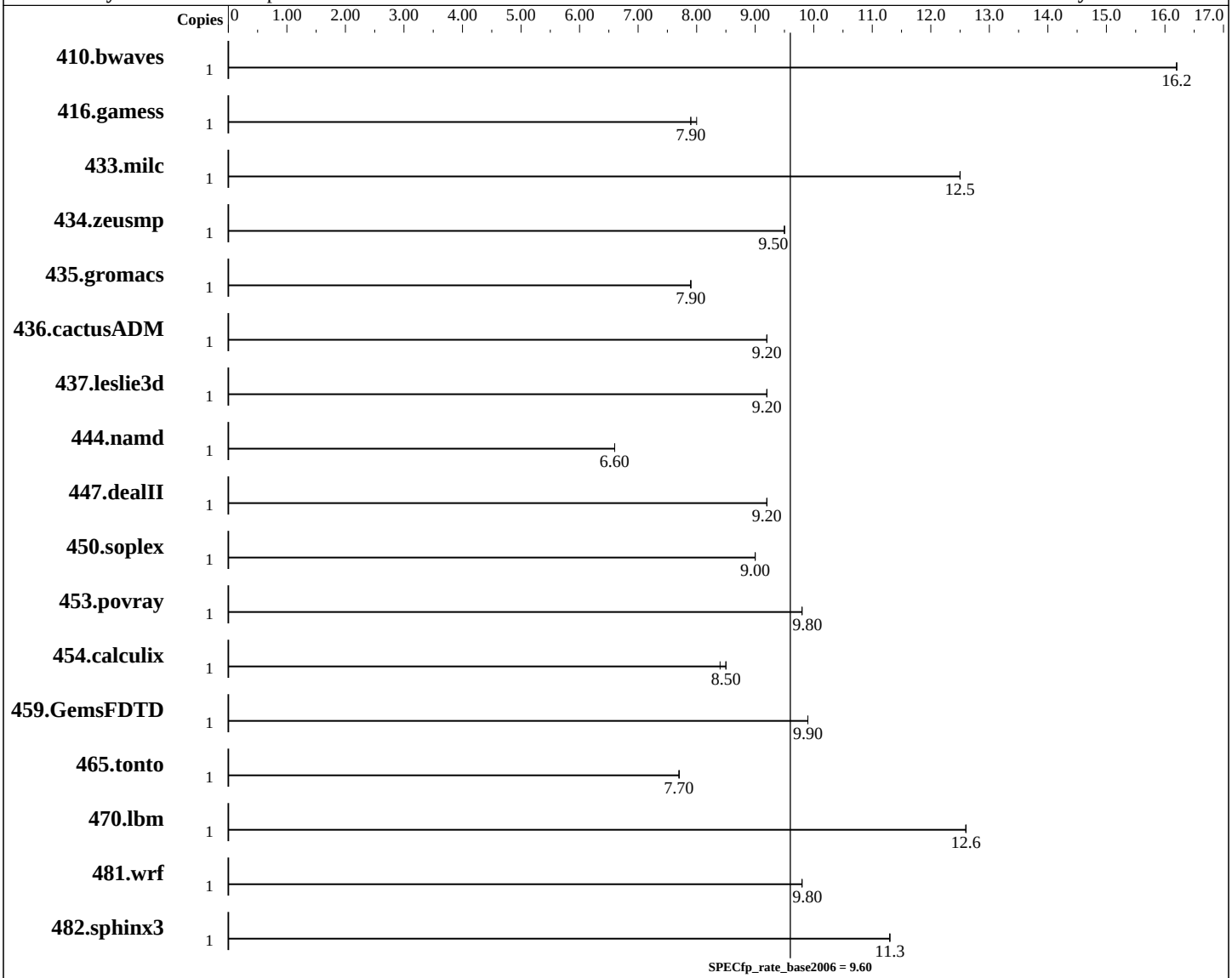
Acer Aspire 3810T (Intel Pentium SU2700)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 9.60

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 Pentium SU2700
CPU Characteristics:	
CPU MHz:	1300
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1 chip
Primary Cache:	32 KB I + 32 KB D on chip per chip
Secondary Cache:	2 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	1	840	16.2	837	16.2	**837**	**16.2**							
416.gamess	1	2464	7.90	**2464**	**7.90**	2462	8.00							
433.milc	1	**732**	**12.5**	732	12.5	734	12.5							
434.zeusmp	1	955	9.50	**956**	**9.50**	957	9.50							
435.gromacs	1	**907**	**7.90**	907	7.90	906	7.90							
436.cactusADM	1	1301	9.20	1294	9.20	**1295**	**9.20**							
437.leslie3d	1	1020	9.20	1018	9.20	**1018**	**9.20**							
444.namd	1	1213	6.60	1214	6.60	**1213**	**6.60**							
447.dealII	1	1250	9.20	1249	9.20	**1249**	**9.20**							
450.soplex	1	927	9.00	**928**	**9.00**	928	9.00							
453.povray	1	**545**	**9.80**	545	9.80	544	9.80							
454.calculix	1	977	8.40	**976**	**8.50**	976	8.50							
459.GemsFDTD	1	1072	9.90	**1072**	**9.90**	1071	9.90							
465.tonto	1	**1275**	**7.70**	1275	7.70	1275	7.70							
470.lbm	1	1090	12.6	1092	12.6	**1090**	**12.6**							
481.wrf	1	1142	9.80	**1142**	**9.80**	1142	9.80							
482.sphinx3	1	**1724**	**11.3**	1725	11.3	1724	11.3							

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:
-QxSSSE3 -Qipo -O3 -Qprec-div- -Qopt-prefetch /F1000000000

C++ benchmarks:
-QxSSSE3 -Qipo -O3 -Qprec-div- -Qopt-prefetch -Qcxx-features
/F1000000000 shlw32m.lib -link /FORCE:MULTIPLE

Fortran benchmarks:
-QxSSSE3 -Qipo -O3 -Qprec-div- -Qopt-prefetch /F1000000000

Benchmarks using both Fortran and C:
-QxSSSE3 -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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