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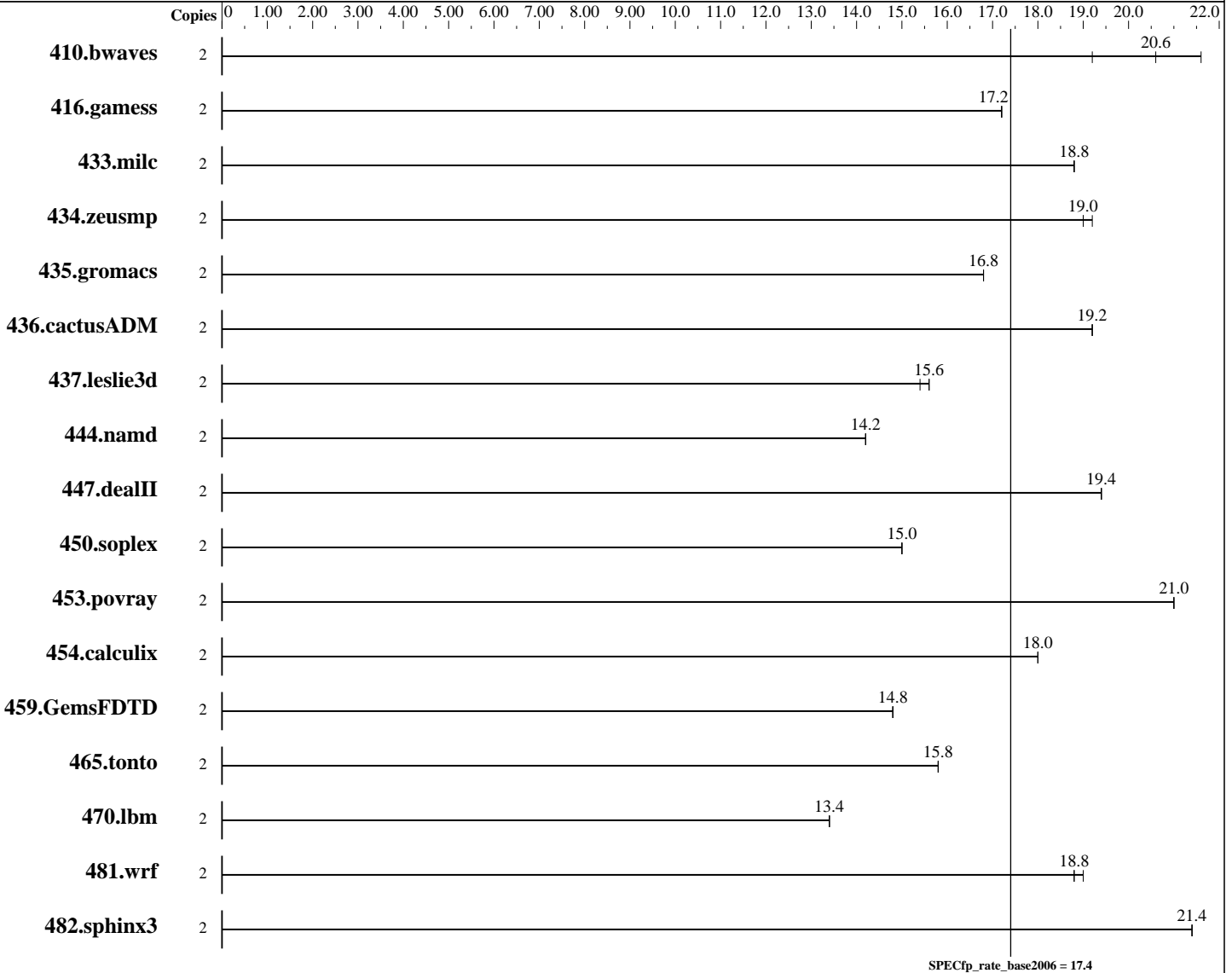
CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

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

Copies	Benchmark	Result
2	410.bwaves	20.6
2	416.gamess	17.2
2	433.milc	18.8
2	434.zeusmp	19.0
2	435.gromacs	16.8
2	436.cactusADM	19.2
2	437.leslie3d	15.6
2	444.namd	14.2
2	447.dealII	19.4
2	450.soplex	15.0
2	453.povray	21.0
2	454.calculix	18.0
2	459.GemsFDTD	14.8
2	465.tonto	15.8
2	470.lbm	13.4
2	481.wrf	18.8
2	482.sphinx3	21.4

SPECfp_rate_base2006 = 17.4

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
Continued on next page

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
Continued on next page

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L3 Cache:	None	System State:	Default
Other Cache:	None	Base Pointers:	32-bit
Memory:	2 GB (2x1GB DDR3-1066 CL7; bios sets it to DDR2-800 CL5)	Peak Pointers:	Not Applicable
		Other Software:	SmartHeap Library Version 8.1 from http://www.microquill.com/
Disk Subsystem:	ST9250315AS 250 GB SATA, 5400RPM		
Other Hardware:	None		

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-icl11.0-win32-revA.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Intel-icl11.0-win32-revA.xml

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