SPEC® CFP2006 Result

ASUS Computer International

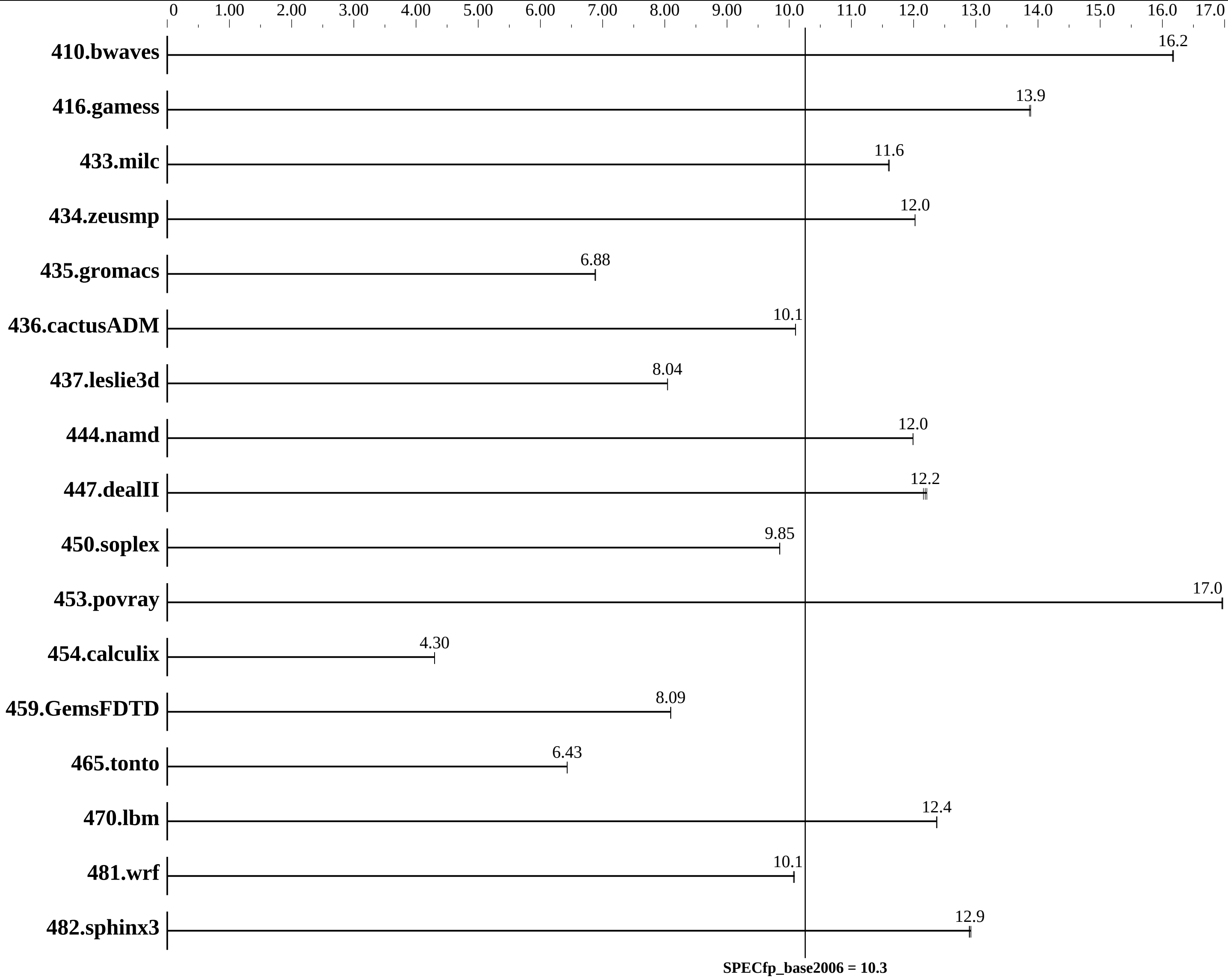
(Test Sponsor: Intel Corporation)

Asus M2N32-SLI Deluxe
(AMD Athlon 64 FX-62)

SPECfp®2006 = Not Run

SPECfp_base2006 = 10.3

CPU2006 license:	13	**Test date:**	Aug-2006
Test sponsor:	Intel Corporation	**Hardware Availability:**	Jul-2006
Tested by:	Intel Corporation	**Software Availability:**	Aug-2006



Hardware

CPU Name:	AMD Athlon 64 FX-62
CPU Characteristics:	2.80 GHz, 2x1MB L2 per core
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1 chip
Primary Cache:	64 KB I + 64 KB D on chip per core
Secondary Cache:	1 MB I+D on chip per core

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Software

Operating System:	Windows XP Professional SP2 32-bit
Compiler:	Intel C++ and Fortran Compiler 9.1 for IA32 Build 20060816Z Microsoft Visual Studio .Net 2003 (for libraries) SmartHeap Library Version 8.0 from http://www.microquill.com/
Auto Parallel:	No
File System:	NTFS
System State:	Default

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L3 Cache: None
Other Cache: None
Memory: 2 GB (2 1GB Corsair TWIN2X2048-8500C5 DDR2 1066 CL5-5-5)
Disk Subsystem: Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)
Other Hardware: None

Base Pointers: 32-bit
Peak Pointers: Not Applicable
Other Software: None

Results Table

	Base						Peak					
Benchmark	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**
410.bwaves	841	16.2	840	16.2	**840**	**16.2**						
416.gamess	1413	13.9	1410	13.9	**1411**	**13.9**						
433.milc	792	11.6	791	11.6	**791**	**11.6**						
434.zeusmp	757	12.0	**757**	**12.0**	757	12.0						
435.gromacs	1038	6.88	1037	6.89	**1037**	**6.88**						
436.cactusADM	1183	10.1	**1183**	**10.1**	1183	10.1						
437.leslie3d	1169	8.04	1168	8.04	**1169**	**8.04**						
444.namd	669	12.0	**669**	**12.0**	669	12.0						
447.dealII	941	12.2	**939**	**12.2**	937	12.2						
450.soplex	847	9.85	847	9.85	**847**	**9.85**						
453.povray	**314**	**17.0**	314	17.0	313	17.0						
454.calculix	1920	4.30	**1919**	**4.30**	1918	4.30						
459.GemsFDTD	1310	8.10	1311	8.09	**1311**	**8.09**						
465.tonto	**1530**	**6.43**	1530	6.43	1531	6.43						
470.lbm	1111	12.4	1110	12.4	**1110**	**12.4**						
481.wrf	1108	10.1	1109	10.1	**1109**	**10.1**						
482.sphinx3	**1510**	**12.9**	1508	12.9	1512	12.9						

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

General Notes

```
Memory timings set manually to DDR2-800 5-5-5-15 in the bios
The SUT was built with a discrete PCIe graphics card (ATI Radeon X1900 XTX)
and an ATX 550W power supply. The 2 DIMMs were configured in dual-channel mode.
```

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:
    -arch:SSE2 -Qprec-div- -O3 -Qipo /F950000000 shlw32m.lib -link /FORCE:MULTIPLE

C++ benchmarks:
    -arch:SSE2 -Qprec-div- -O3 -Qipo -Oi- -Qcxx_features /F950000000 shlw32m.lib -link /FORCE:MULTIPLE

Fortran benchmarks:
    -arch:SSE2 -Qprec-div- -O3 -Qipo -Oi- /F950000000 -link /FORCE:MULTIPLE

Benchmarks using both Fortran and C:
    -arch:SSE2 -Qprec-div- -O3 -Qipo -Oi- /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-flags.20090715.03.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090715.03.xml

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Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 09:55:48 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 19 September 2006.