



SPEC® CFP2006 Result

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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

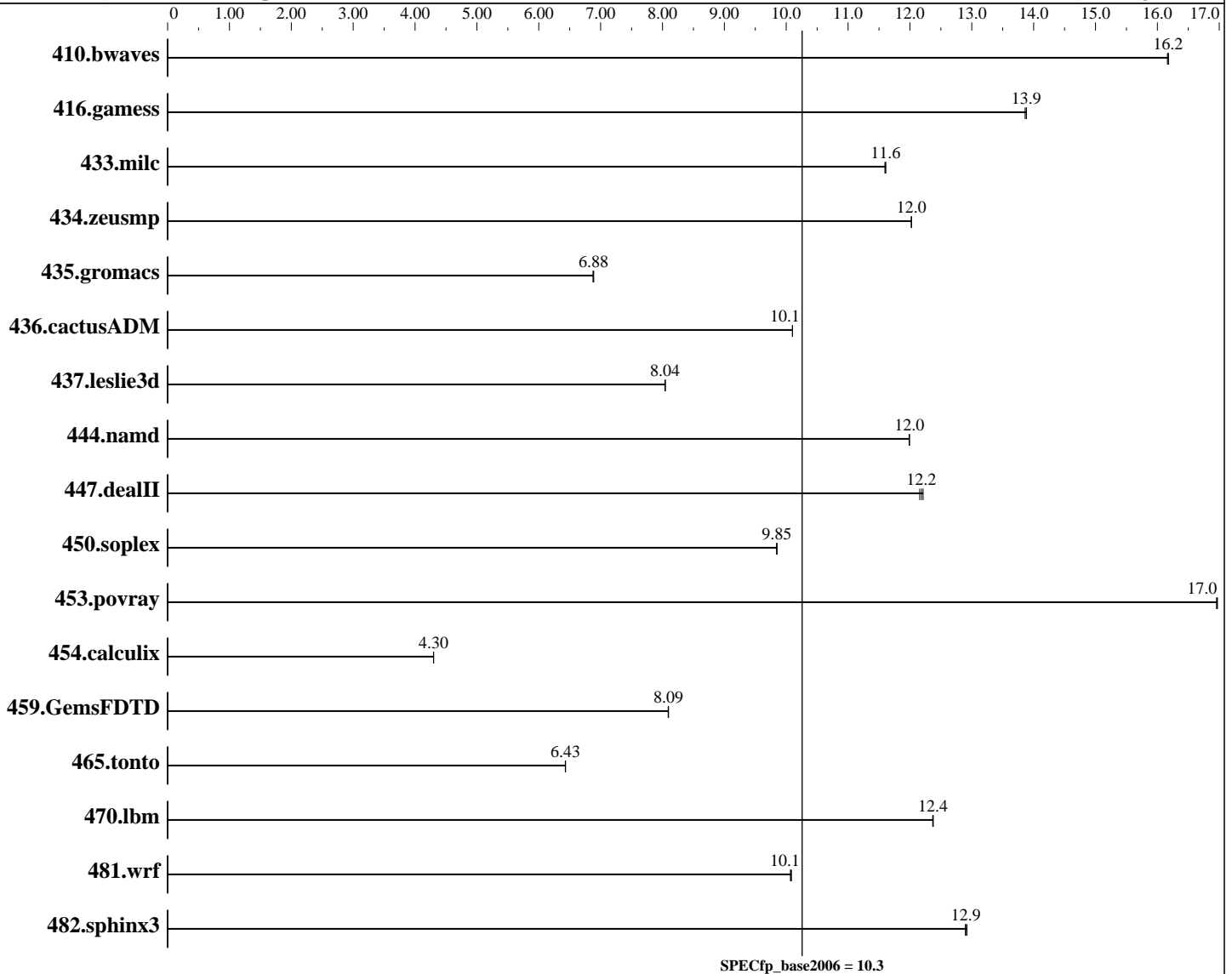
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Aug-2006

Hardware Availability: Jul-2006

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

Benchmark	Base						Peak					
	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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For other inquiries, please contact webmaster@spec.org.

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