



SPEC® CFP2006 Result

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ASUS Computer International

(Test Sponsor: Intel Corporation)

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

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 18.8

CPU2006 license: 13

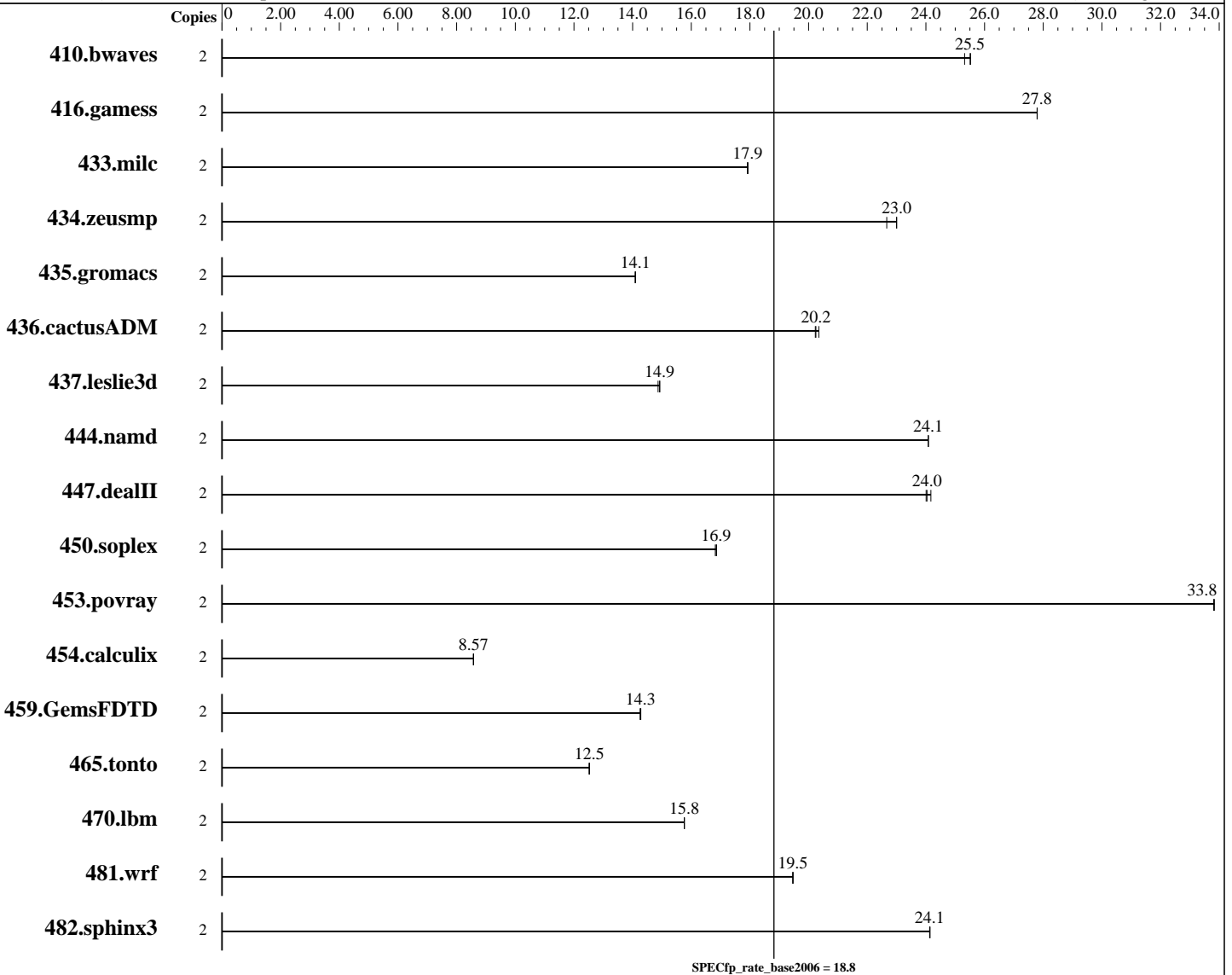
Test sponsor: Intel Corporation

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							
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio		
410.bwaves	2	1073	25.3	1065	25.5	1066	25.5									
416.gamess	2	1409	27.8	1409	27.8	1409	27.8									
433.milc	2	1025	17.9	1024	17.9	1024	17.9									
434.zeusmp	2	791	23.0	791	23.0	803	22.7									
435.gromacs	2	1013	14.1	1013	14.1	1013	14.1									
436.cactusADM	2	1174	20.3	1180	20.2	1181	20.2									
437.leslie3d	2	1260	14.9	1259	14.9	1264	14.9									
444.namd	2	666	24.1	666	24.1	666	24.1									
447.dealII	2	952	24.0	947	24.2	953	24.0									
450.soplex	2	989	16.9	990	16.9	992	16.8									
453.povray	2	315	33.8	314	33.8	315	33.8									
454.calculix	2	1925	8.57	1925	8.57	1924	8.58									
459.GemsFDTD	2	1489	14.3	1486	14.3	1487	14.3									
465.tonto	2	1571	12.5	1573	12.5	1571	12.5									
470.lbm	2	1743	15.8	1743	15.8	1744	15.8									
481.wrf	2	1148	19.5	1148	19.5	1148	19.5									
482.sphinx3	2	1616	24.1	1615	24.1	1615	24.1									

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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