



SPEC® CFP2006 Result

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Apple Computer, Inc.

SPECfp®2006 = 8.88

iMac 20-inch 2.0GHz Intel Core Duo

SPECfp_base2006 = 8.88

CPU2006 license: 77

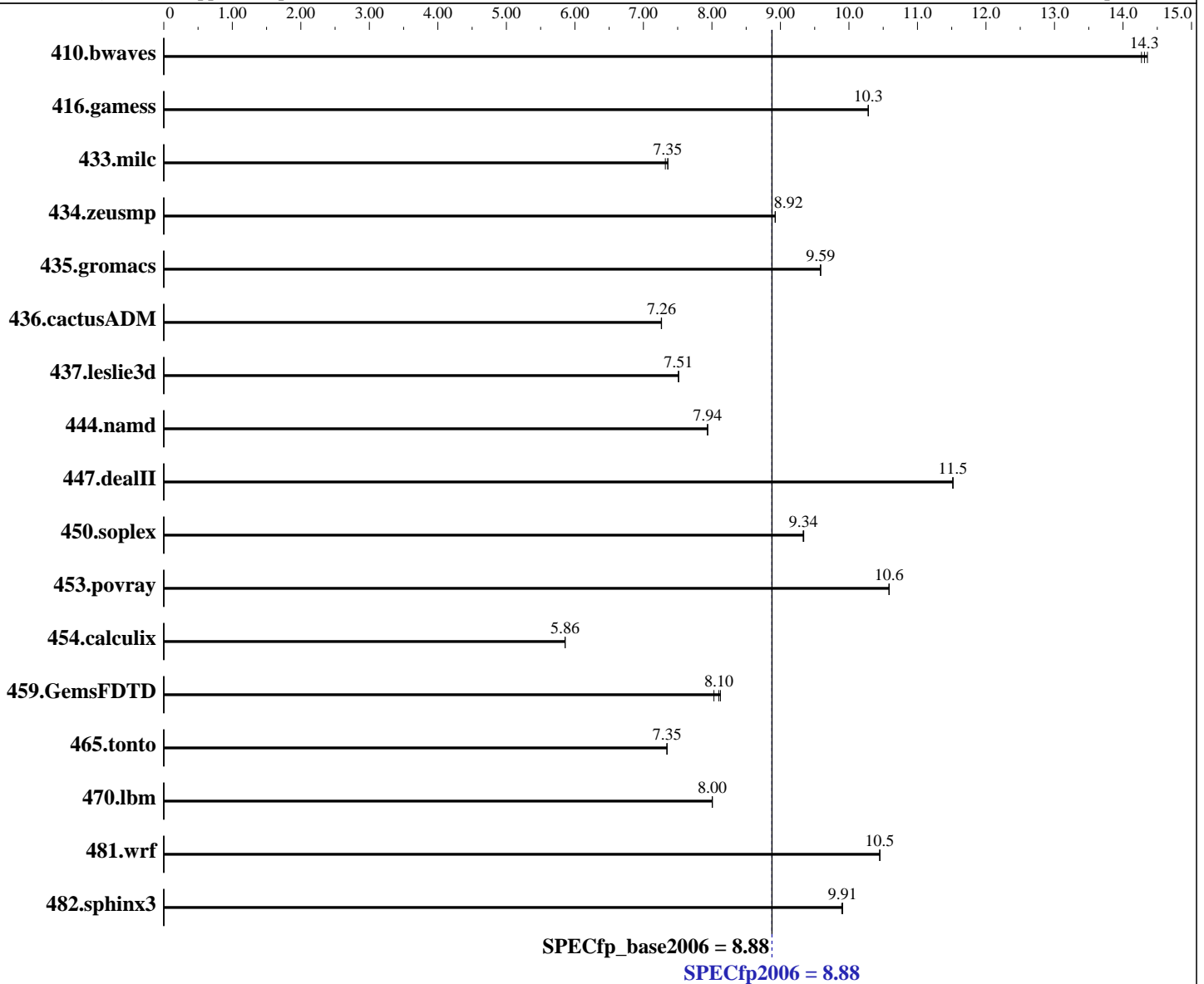
Test sponsor: Apple Computer, Inc.

Tested by: Apple Computer, Inc.

Test date: Apr-2006

Hardware Availability: Jan-2006

Software Availability: Apr-2006



Hardware

CPU Name: Intel Core Duo T2500
 CPU Characteristics:
 CPU MHz: 2000
 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: 2 MB I+D on chip per chip

Software

Operating System: Mac OS X, v10.4.6
 Compiler: Intel C++ Compiler for Mac OS X, v9.1
 Intel Fortran Compiler for Mac OS X, v9.1
 (Build 20060323)
 Auto Parallel: No
 File System: HFS+
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit

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L3 Cache: None
Other Cache: None
Memory: 1 GB, DDR2 667 MHz, CL5
Disk Subsystem: SATA Maxtor 6L250M0, 250 GB
Other Hardware: None

Other Software: None

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	947	14.4	952	14.3	949	14.3	947	14.4	952	14.3	949	14.3
416.gamess	1904	10.3	1904	10.3	1904	10.3	1904	10.3	1904	10.3	1904	10.3
433.milc	1254	7.32	1248	7.36	1248	7.35	1254	7.32	1248	7.36	1248	7.35
434.zeusmp	1019	8.93	1020	8.92	1020	8.92	1019	8.93	1020	8.92	1020	8.92
435.gromacs	745	9.58	745	9.59	745	9.59	745	9.58	745	9.59	745	9.59
436.cactusADM	1646	7.26	1645	7.26	1645	7.26	1646	7.26	1645	7.26	1645	7.26
437.leslie3d	1251	7.51	1251	7.51	1251	7.52	1251	7.51	1251	7.51	1251	7.52
444.namd	1010	7.94	1011	7.94	1010	7.94	1010	7.94	1011	7.94	1010	7.94
447.dealII	993	11.5	993	11.5	993	11.5	993	11.5	993	11.5	993	11.5
450.soplex	893	9.34	893	9.34	894	9.33	893	9.34	893	9.34	894	9.33
453.povray	503	10.6	503	10.6	503	10.6	503	10.6	503	10.6	503	10.6
454.calculix	1409	5.86	1409	5.86	1408	5.86	1409	5.86	1409	5.86	1408	5.86
459.GemsFDTD	1306	8.12	1310	8.10	1321	8.03	1306	8.12	1310	8.10	1321	8.03
465.tonto	1340	7.34	1340	7.35	1340	7.35	1340	7.34	1340	7.35	1340	7.35
470.lbm	1717	8.00	1716	8.00	1716	8.01	1717	8.00	1716	8.00	1716	8.01
481.wrf	1069	10.4	1069	10.5	1069	10.5	1069	10.4	1069	10.5	1069	10.5
482.sphinx3	1970	9.89	1967	9.91	1967	9.91	1970	9.89	1967	9.91	1967	9.91

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

General Notes

Memory Details :

DIMM0/Bank0: 512MB, DDR2 SDRAM, 667 MHz, CL5

DIMM1/Bank1: 512MB, DDR2 SDRAM, 667 MHz, CL5

Base Compiler Invocation

C benchmarks:

icc

C++ benchmarks:

icpc

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Base Compiler Invocation (Continued)

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
icc ifort

Base Portability Flags

435.gromacs: -nofor_main
436.cactusADM: -nofor_main
454.calculix: -nofor_main
481.wrf: -DSPEC_CPU_MACOSX -DSPEC_CPU_MACOSX_INTEL
-DSPEC_CPU_CASE_FLAG

Base Optimization Flags

C benchmarks:
-fast

C++ benchmarks:
-fast

Fortran benchmarks:
-fast

Benchmarks using both Fortran and C:
-fast

Base Other Flags

C benchmarks:
-Wl,-stack_addr,0xF0000000 -Wl,-stack_size,0x3F000000

C++ benchmarks:
-Wl,-stack_addr,0xF0000000 -Wl,-stack_size,0x3F000000

Fortran benchmarks:
-Wl,-stack_addr,0xF0000000 -Wl,-stack_size,0x3F000000

Benchmarks using both Fortran and C:
-Wl,-stack_addr,0xF0000000 -Wl,-stack_size,0x3F000000



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Peak Compiler Invocation

C benchmarks:

icc

C++ benchmarks:

icpc

Fortran benchmarks:

ifort

Benchmarks using both Fortran and C:

icc ifort

Peak Portability Flags

435.gromacs: -nofor_main
436.cactusADM: -nofor_main
454.calculix: -nofor_main
481.wrf: -DSPEC_CPU_MACOSX -DSPEC_CPU_MACOSX_INTEL
-DSPEC_CPU_CASE_FLAG

Peak Optimization Flags

C benchmarks:

433.milc: basepeak = yes

470.lbm: basepeak = yes

482.sphinx3: basepeak = yes

C++ benchmarks:

444.namd: basepeak = yes

447.dealII: basepeak = yes

450.soplex: basepeak = yes

453.povray: basepeak = yes

Fortran benchmarks:

410.bwaves: basepeak = yes

416.gamess: basepeak = yes

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Peak Optimization Flags (Continued)

434.zeusmp: basepeak = yes

437.leslie3d: basepeak = yes

459.GemsFDTD: basepeak = yes

465.tonto: basepeak = yes

Benchmarks using both Fortran and C:

435.gromacs: basepeak = yes

436.cactusADM: basepeak = yes

454.calculix: basepeak = yes

481.wrf: basepeak = yes

Peak Other Flags

C benchmarks:

-Wl,-stack_addr,0xF0000000 -Wl,-stack_size,0x3F000000

C++ benchmarks:

-Wl,-stack_addr,0xF0000000 -Wl,-stack_size,0x3F000000

Fortran benchmarks:

-Wl,-stack_addr,0xF0000000 -Wl,-stack_size,0x3F000000

Benchmarks using both Fortran and C:

-Wl,-stack_addr,0xF0000000 -Wl,-stack_size,0x3F000000

The flags file that was used to format this result can be browsed at

<http://www.spec.org/cpu2006/flags/macosx-iccifort-v91-flags.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/macosx-iccifort-v91-flags.xml>



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For other inquiries, please contact webmaster@spec.org.

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