SPEC® CFP2006 Result

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Apple Computer, Inc.

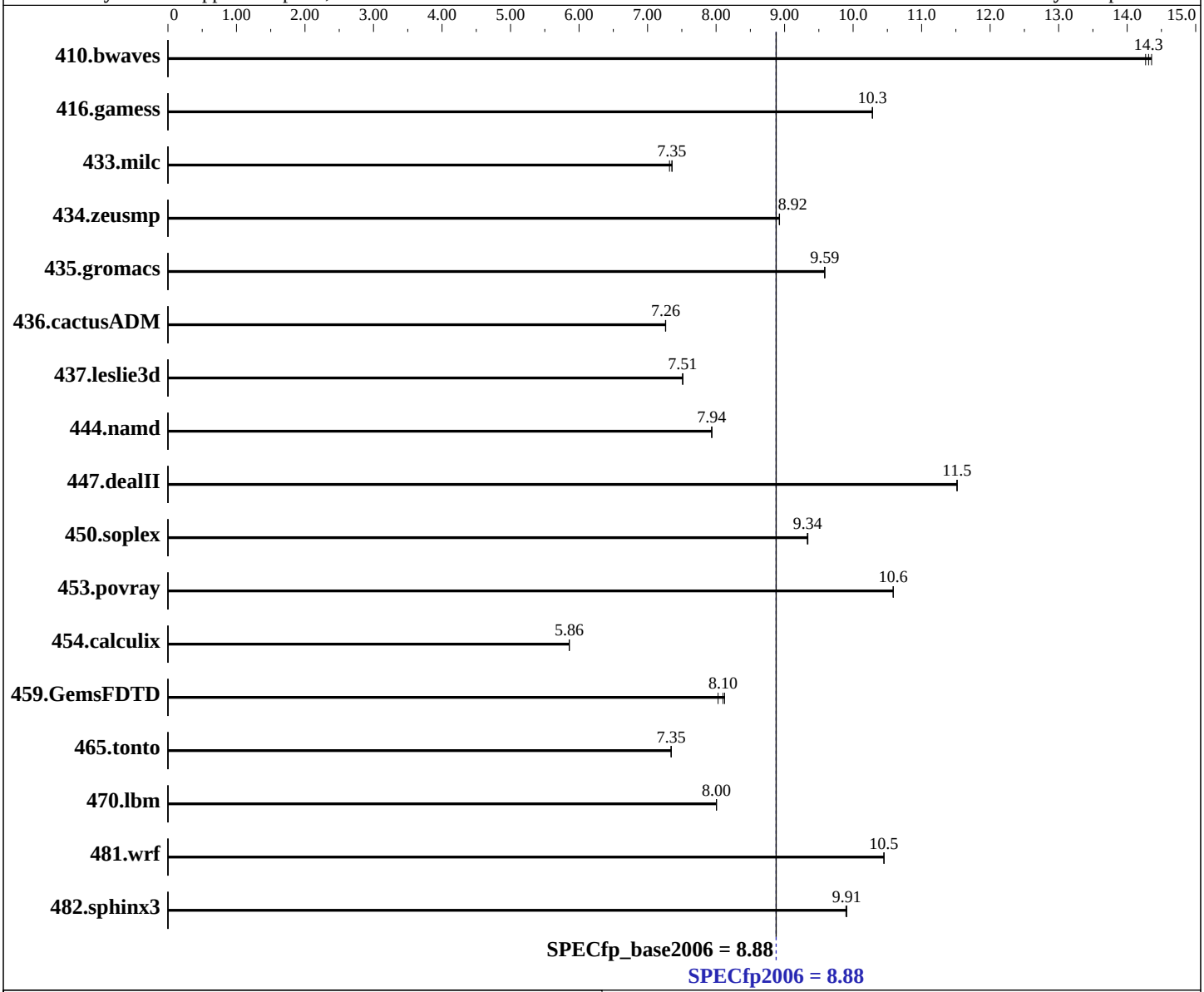
iMac 20-inch 2.0GHz Intel Core Duo

SPECfp®2006 = 8.88

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

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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

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 questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

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