



SPEC[®] CFP2006 Result

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Apple Computer, Inc.

Xserve (3000 MHz Intel Dual-Core Xeon, 1333 MHz FSB)

SPECfp[®]_rate2006 = Not Run

SPECfp_rate_base2006 = 39.7

CPU2006 license: 77

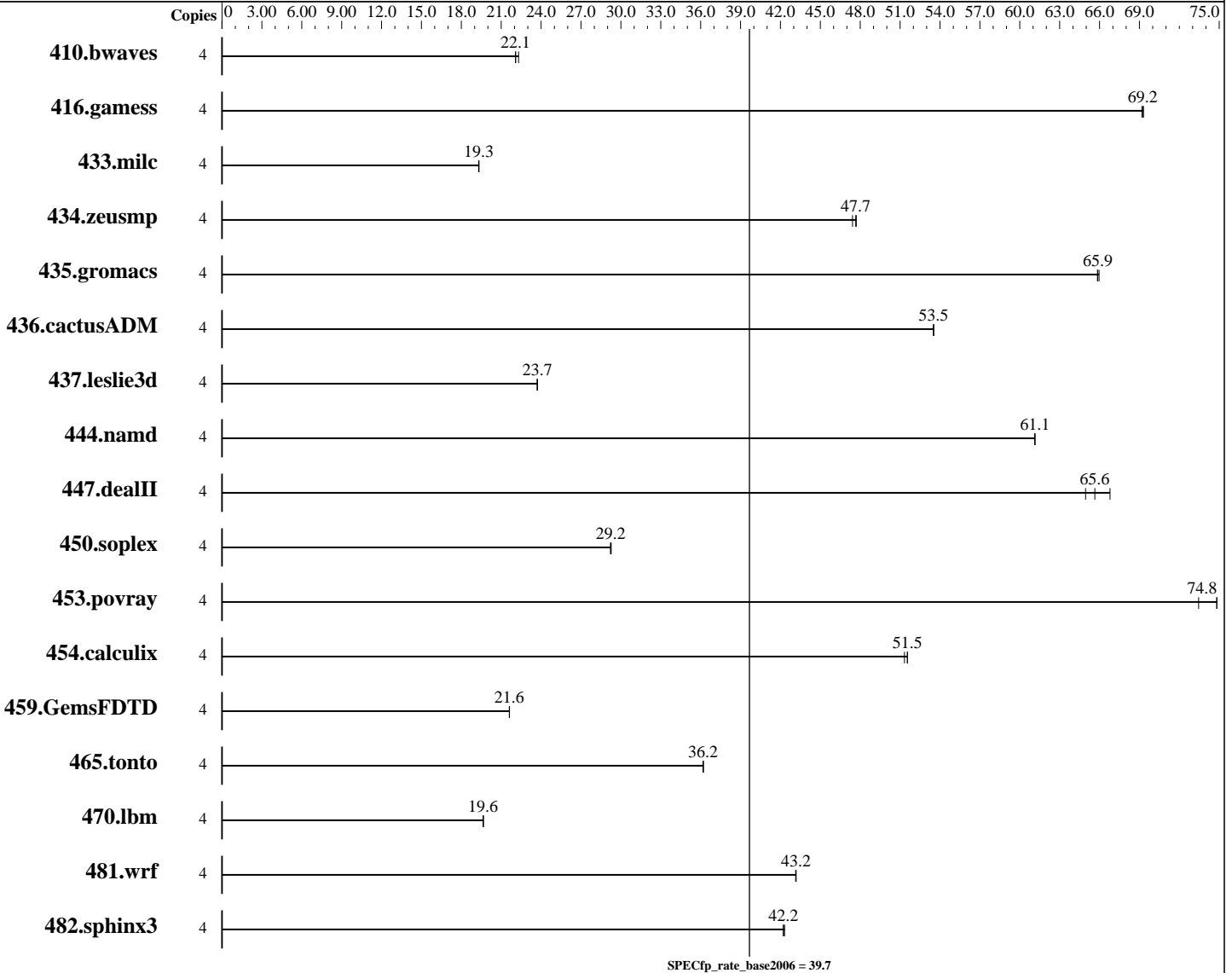
Test sponsor: Apple Computer, Inc.

Tested by: Apple Computer, Inc.

Test date: Nov-2006

Hardware Availability: Nov-2006

Software Availability: Nov-2006



Hardware

CPU Name: Intel Xeon 5160
 CPU Characteristics: 1333 MHz FSB
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 2 cpus
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 4 MB I+D on chip per chip

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Software

Operating System: Mac OS X Server 10.4.8, Build 8N1200
 Compiler: Intel C++ Compiler for Mac OS X v9.1
 Intel Fortran Compiler for Mac OS X v9.1
 Build 20060928 (032)
 Auto Parallel: No
 File System: Journaled HFS+
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: Not Applicable

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L3 Cache: None
Other Cache: None
Memory: 4 GB (4x1GB, DDR2 FB-DIMM 667 MHz)
Disk Subsystem: 80GB SATA
Other Hardware: None

Other Software: None

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	4	2437	22.3	<u>2461</u>	<u>22.1</u>	2462	22.1							
416.gamess	4	1130	69.3	<u>1131</u>	<u>69.2</u>	1132	69.2							
433.milc	4	1903	19.3	<u>1900</u>	<u>19.3</u>	1900	19.3							
434.zeusmp	4	768	47.4	763	47.7	<u>764</u>	<u>47.7</u>							
435.gromacs	4	433	66.0	<u>434</u>	<u>65.9</u>	434	65.8							
436.cactusADM	4	893	53.5	<u>893</u>	<u>53.5</u>	893	53.5							
437.leslie3d	4	1586	23.7	<u>1585</u>	<u>23.7</u>	1585	23.7							
444.namd	4	525	61.1	525	61.1	<u>525</u>	<u>61.1</u>							
447.dealII	4	685	66.8	<u>697</u>	<u>65.6</u>	705	64.9							
450.soplex	4	1141	29.2	<u>1141</u>	<u>29.2</u>	1140	29.3							
453.povray	4	<u>284</u>	<u>74.8</u>	290	73.5	284	74.8							
454.calculix	4	<u>640</u>	<u>51.5</u>	643	51.3	640	51.5							
459.GemsFDTD	4	<u>1964</u>	<u>21.6</u>	1963	21.6	1964	21.6							
465.tonto	4	<u>1088</u>	<u>36.2</u>	1088	36.2	1087	36.2							
470.lbm	4	<u>2797</u>	<u>19.6</u>	2797	19.6	2797	19.7							
481.wrf	4	<u>1035</u>	<u>43.2</u>	1035	43.2	1036	43.1							
482.sphinx3	4	<u>1846</u>	<u>42.2</u>	1847	42.2	1842	42.3							

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

General Notes

Boot ROM Version: XS11.0076.B00

SMC Version: 1.11f4

Memory Details:

BRANCH 0 CHANNEL 0/DIMM 1: 1 GB DDR2 FB-DIMM 667 MHz
BRANCH 0 CHANNEL 1/DIMM 2: 1 GB DDR2 FB-DIMM 667 MHz
BRANCH 1 CHANNEL 0/DIMM 3: 1 GB DDR2 FB-DIMM 667 MHz
BRANCH 1 CHANNEL 1/DIMM 4: 1 GB DDR2 FB-DIMM 667 MHz



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Base Compiler Invocation

C benchmarks:

icc

C++ benchmarks:

icpc

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

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Base Other Flags (Continued)

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.20090715.html>

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

<http://www.spec.org/cpu2006/flags/macosx-iccifort-v91-flags.20090715.xml>

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

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 10:10:10 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 12 December 2006.