



# SPEC® CFP2006 Result

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## Apple Computer, Inc.

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

SPECfp®2006 = **Not Run**

SPECfp\_base2006 = **14.4**

CPU2006 license: 77

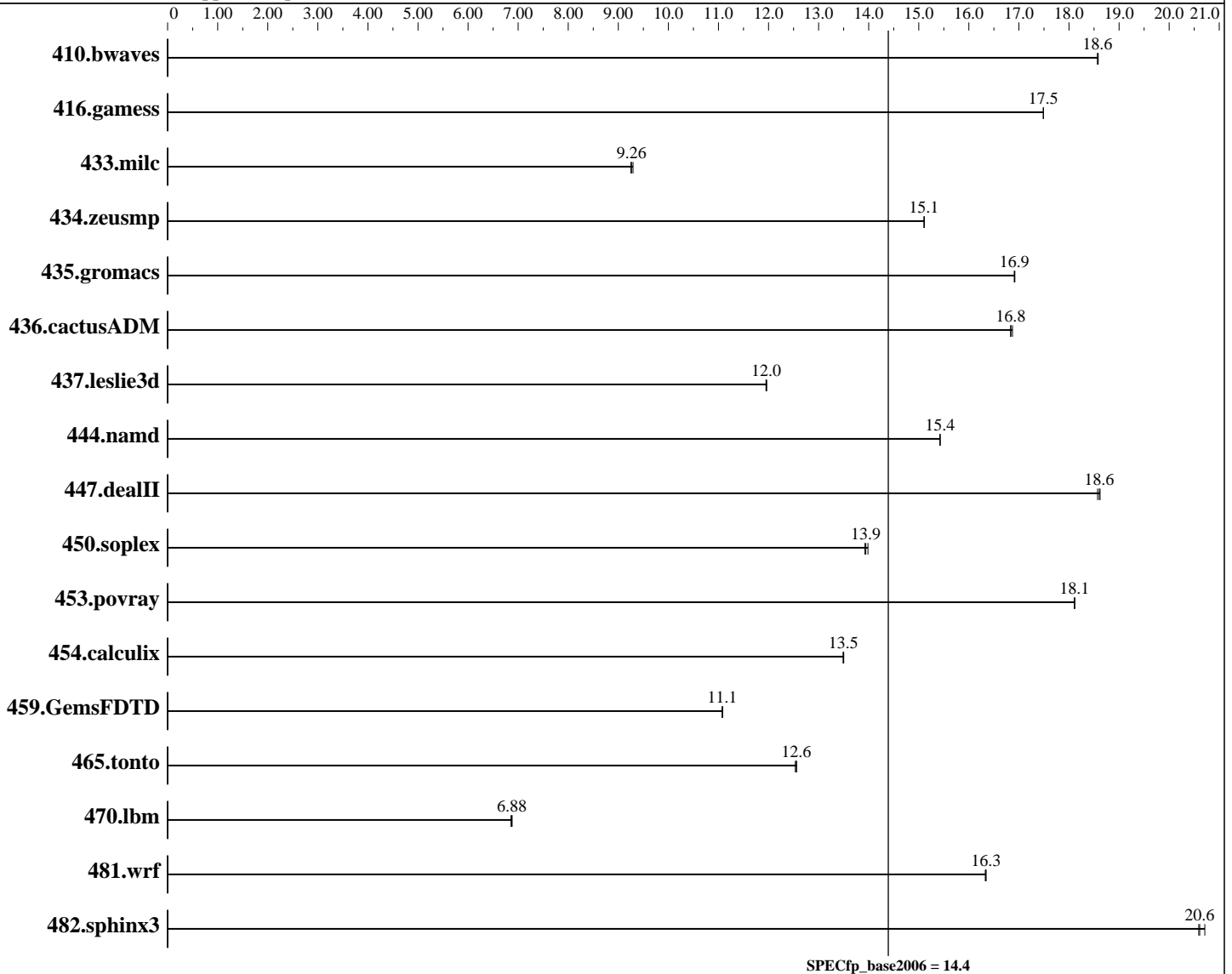
Test sponsor: Apple Computer, Inc.

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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### Hardware (Continued)

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

### Software (Continued)

Other Software: None

## Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	<b><u>732</u></b>	<b><u>18.6</u></b>	732	18.6	731	18.6						
416.gamess	1120	17.5	<b><u>1120</u></b>	<b><u>17.5</u></b>	1120	17.5						
433.milc	988	9.29	992	9.25	<b><u>991</u></b>	<b><u>9.26</u></b>						
434.zeusmp	602	15.1	602	15.1	<b><u>602</u></b>	<b><u>15.1</u></b>						
435.gromacs	<b><u>422</u></b>	<b><u>16.9</u></b>	422	16.9	422	16.9						
436.cactusADM	708	16.9	<b><u>710</u></b>	<b><u>16.8</u></b>	710	16.8						
437.leslie3d	786	12.0	<b><u>786</u></b>	<b><u>12.0</u></b>	787	11.9						
444.namd	520	15.4	520	15.4	<b><u>520</u></b>	<b><u>15.4</u></b>						
447.dealII	<b><u>615</u></b>	<b><u>18.6</u></b>	616	18.6	614	18.6						
450.soplex	596	14.0	599	13.9	<b><u>598</u></b>	<b><u>13.9</u></b>						
453.povray	294	18.1	<b><u>294</u></b>	<b><u>18.1</u></b>	294	18.1						
454.calculix	611	13.5	612	13.5	<b><u>611</u></b>	<b><u>13.5</u></b>						
459.GemsFDTD	<b><u>958</u></b>	<b><u>11.1</u></b>	957	11.1	958	11.1						
465.tonto	<b><u>784</u></b>	<b><u>12.6</u></b>	783	12.6	785	12.5						
470.lbm	1998	6.88	2004	6.86	<b><u>1998</u></b>	<b><u>6.88</u></b>						
481.wrf	<b><u>684</u></b>	<b><u>16.3</u></b>	684	16.3	684	16.3						
482.sphinx3	<b><u>946</u></b>	<b><u>20.6</u></b>	941	20.7	947	20.6						

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](mailto:webmaster@spec.org).

Tested with SPEC CPU2006 v1.0.  
Report generated on Wed Jul 15 11:56:19 2009 by SPEC CPU2006 PS/PDF formatter v6323.