SPEC® CFP2006 Result

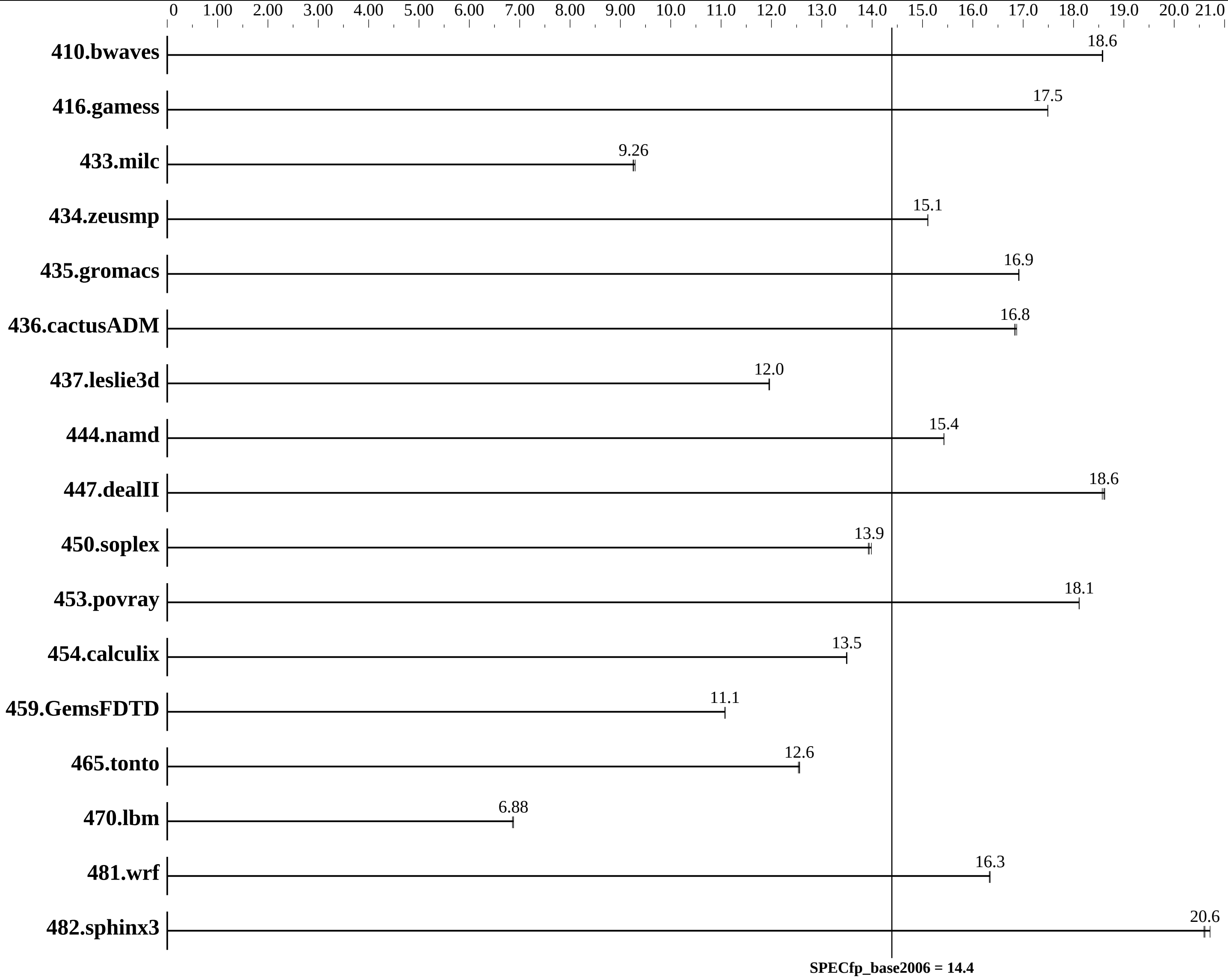
Apple Computer, Inc.

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

SPECfp®2006 = Not Run

SPECfp_base2006 = 14.4

CPU2006 license:	77	**Test date:**	Nov-2006
Test sponsor:	Apple Computer, Inc.	**Hardware Availability:**	Nov-2006
Tested by:	Apple Computer, Inc.	**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					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	**732**	**18.6**	732	18.6	731	18.6						
416.gamess	1120	17.5	**1120**	**17.5**	1120	17.5						
433.milc	988	9.29	992	9.25	**991**	**9.26**						
434.zeusmp	602	15.1	602	15.1	**602**	**15.1**						
435.gromacs	**422**	**16.9**	422	16.9	422	16.9						
436.cactusADM	708	16.9	**710**	**16.8**	710	16.8						
437.leslie3d	786	12.0	**786**	**12.0**	787	11.9						
444.namd	520	15.4	520	15.4	**520**	**15.4**						
447.dealII	**615**	**18.6**	616	18.6	614	18.6						
450.soplex	596	14.0	599	13.9	**598**	**13.9**						
453.povray	294	18.1	**294**	**18.1**	294	18.1						
454.calculix	611	13.5	612	13.5	**611**	**13.5**						
459.GemsFDTD	**958**	**11.1**	957	11.1	958	11.1						
465.tonto	**784**	**12.6**	783	12.6	785	12.5						
470.lbm	1998	6.88	2004	6.86	**1998**	**6.88**						
481.wrf	**684**	**16.3**	684	16.3	684	16.3						
482.sphinx3	**946**	**20.6**	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

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

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