SPEC® CFP2006 Result

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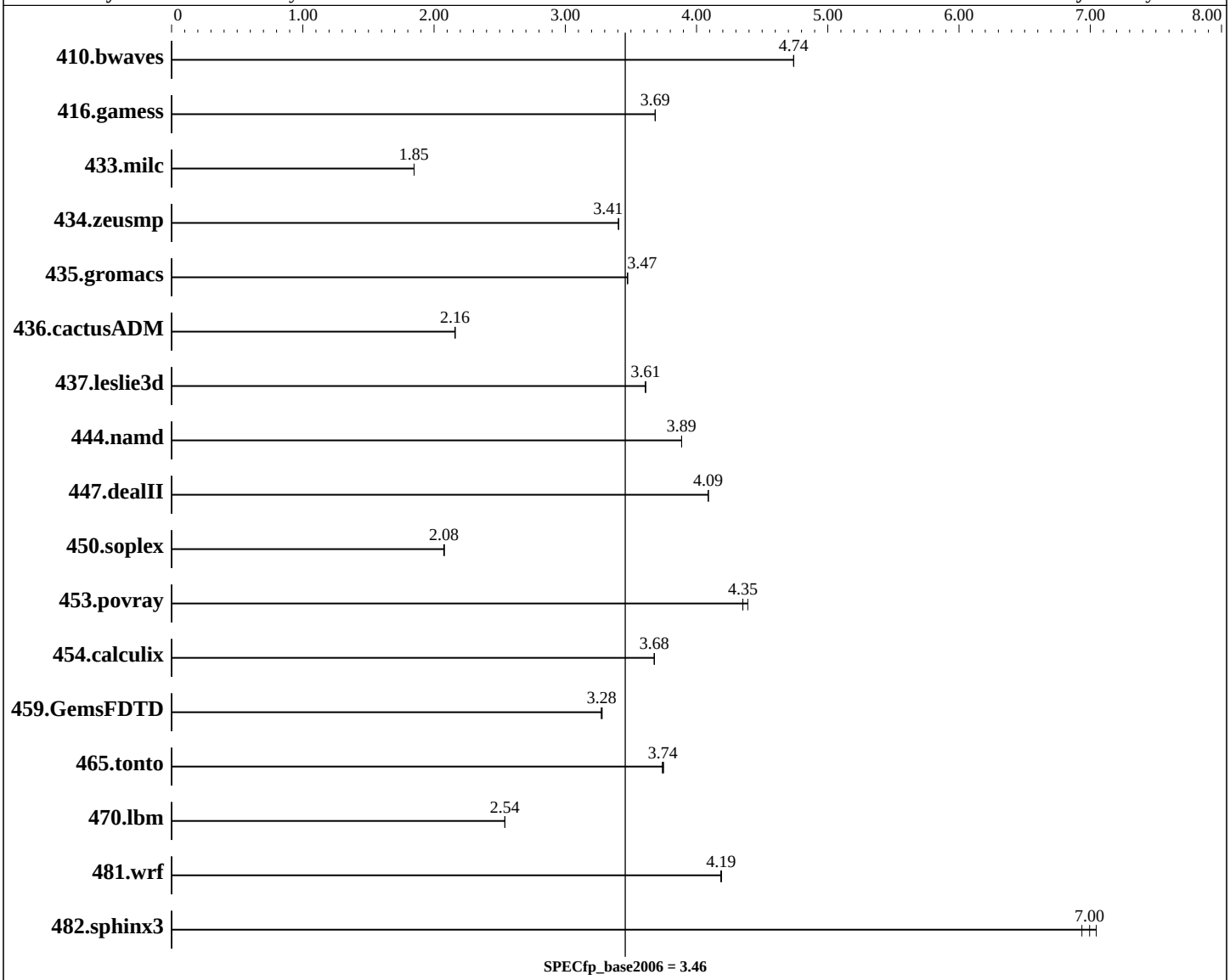
Sun Microsystems
Sun Fire 3800

SPECfp®2006 = --

SPECfp_base2006 = 3.46

CPU2006 license: 6
Test sponsor: Sun Microsystems
Tested by: Sun Microsystems

Test date: Mar-2006
Hardware Availability: Mar-2003
Software Availability: May-2006



Hardware

CPU Name:	UltraSPARC III Cu
CPU Characteristics:	
CPU MHz:	1200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	2,4,6,8 chips
Primary Cache:	32 KB I + 64 KB D on chip per chip
Secondary Cache:	8 MB I+D off chip per chip

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Software

Operating System:	Solaris 10 1/06
Compiler:	Sun Studio 11 with patch 120760-03
Auto Parallel:	No
File System:	ufs
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	Not Applicable
Other Software:	None

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L3 Cache: None
Other Cache: None
Memory: 4 GB (8 x 512 MB DIMM, 4-way interleaved)
Disk Subsystem: 1x18GB 10,000RPM SCSI for SPEC
2x18GB 10,000RPM SCSI (RAID 1) for system
Other Hardware: None

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	2867	4.74	2867	4.74	**2867**	**4.74**						
416.gamess	5313	3.69	**5313**	**3.69**	5313	3.69						
433.milc	4968	1.85	**4968**	**1.85**	4968	1.85						
434.zeusmp	2672	3.41	**2672**	**3.41**	2672	3.41						
435.gromacs	**2055**	**3.47**	2056	3.47	2055	3.48						
436.cactusADM	**5533**	**2.16**	5531	2.16	5533	2.16						
437.leslie3d	2602	3.61	2604	3.61	**2603**	**3.61**						
444.namd	2063	3.89	**2064**	**3.89**	2064	3.89						
447.dealII	2798	4.09	**2797**	**4.09**	2797	4.09						
450.soplex	4012	2.08	4021	2.07	**4018**	**2.08**						
453.povray	1212	4.39	**1222**	**4.35**	1222	4.35						
454.calculix	2243	3.68	**2243**	**3.68**	2243	3.68						
459.GemsFDTD	**3238**	**3.28**	3234	3.28	3241	3.27						
465.tonto	2631	3.74	**2628**	**3.74**	2625	3.75						
470.lbm	5409	2.54	**5410**	**2.54**	5411	2.54						
481.wrf	2669	4.18	**2667**	**4.19**	2666	4.19						
482.sphinx3	**2786**	**7.00**	2810	6.94	2766	7.05						

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

Operating System Notes

```
Stack limit set to 131072
```

Platform Notes

```
Only 1 CPU enabled by the system controller
(prior to boot)
```

Base Compiler Invocation

C benchmarks:
cc

Continued on next page

Base Compiler Invocation (Continued)

C++ benchmarks:
CC

Fortran benchmarks:
f90

Benchmarks using both Fortran and C:
cc f90

Base Optimization Flags

C benchmarks:
-g -fast -xpagesize=4M

C++ benchmarks:
-g0 -library=stlport4 -fast -xpagesize=4M

Fortran benchmarks:
-g -fast -xpagesize=4M

Benchmarks using both Fortran and C:
-g -fast(cc) -fast(f90) -xpagesize=4M

Base Other Flags

C benchmarks:
-V

C++ benchmarks:
-verbose=version

Fortran benchmarks:
-V

Benchmarks using both Fortran and C:
-V

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/sun-studio.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/sun-studio.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 v90.
Report generated on Tue Jul 22 10:02:01 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 24 August 2006.