SPEC® CFP2006 Result

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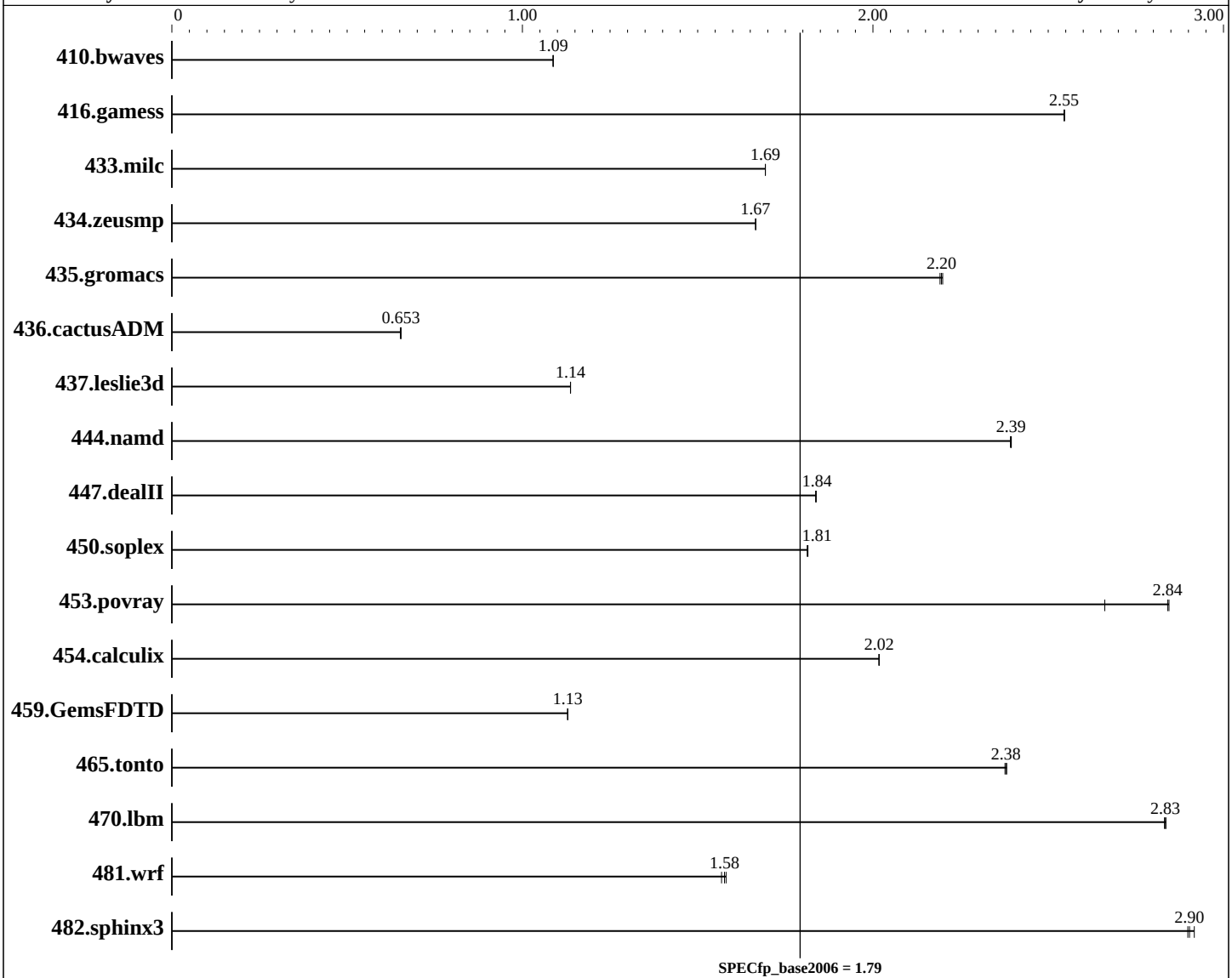
Sun Microsystems
Sun Fire 280R

SPECfp®2006 = --

SPECfp_base2006 = 1.79

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

Test date: Mar-2006
Hardware Availability: Sep-2000
Software Availability: May-2006



Hardware

CPU Name:	UltraSPARC III
CPU Characteristics:	
CPU MHz:	750
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1,2 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 (2-way interleaved)
Disk Subsystem: 2x36GB 10,000RPM FC-AL (RAID 1)
Other Hardware: None

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	12499	1.09	**12492**	**1.09**	12491	1.09						
416.gamess	7689	2.55	7693	2.55	**7691**	**2.55**						
433.milc	5422	1.69	**5422**	**1.69**	5422	1.69						
434.zeusmp	5464	1.67	5464	1.67	**5464**	**1.67**						
435.gromacs	3258	2.19	3247	2.20	**3252**	**2.20**						
436.cactusADM	18272	0.654	**18289**	**0.653**	18331	0.652						
437.leslie3d	8267	1.14	**8266**	**1.14**	8264	1.14						
444.namd	**3350**	**2.39**	3349	2.39	3353	2.39						
447.dealII	6225	1.84	6229	1.84	**6225**	**1.84**						
450.soplex	4596	1.81	4601	1.81	**4599**	**1.81**						
453.povray	**1873**	**2.84**	1870	2.84	1999	2.66						
454.calculix	**4089**	**2.02**	4090	2.02	4089	2.02						
459.GemsFDTD	9393	1.13	**9397**	**1.13**	9397	1.13						
465.tonto	4140	2.38	**4136**	**2.38**	4132	2.38						
470.lbm	4853	2.83	**4848**	**2.83**	4845	2.84						
481.wrf	7123	1.57	7065	1.58	**7085**	**1.58**						
482.sphinx3	6725	2.90	6682	2.92	**6713**	**2.90**						

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 firmware
(prior to boot)
```

Base Compiler Invocation

C benchmarks:
cc

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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.

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