SPEC® CFP2006 Result
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Sun Microsystems
Sun Fire 3800

$SPECfp^{®}2006 =$ --
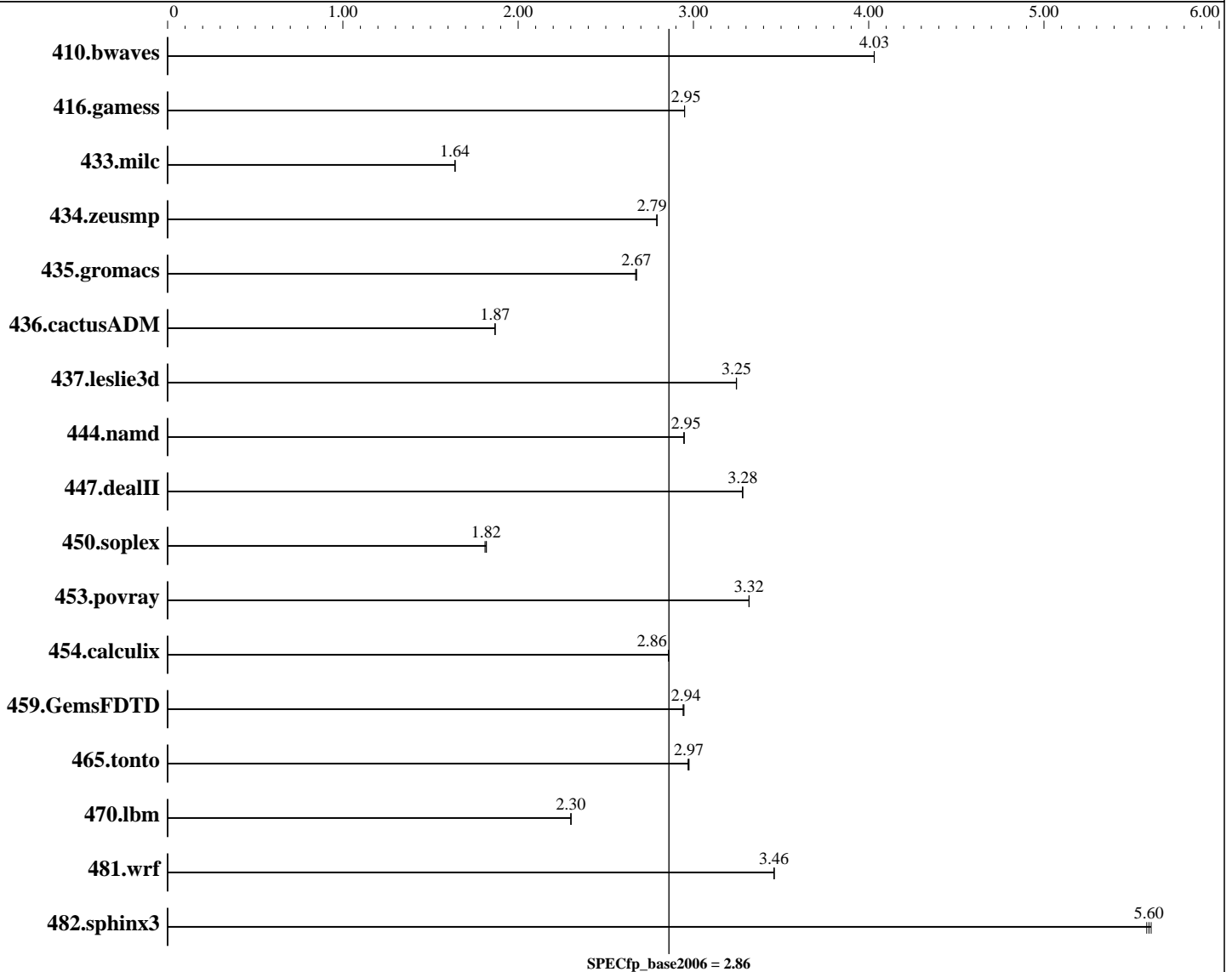
$SPECfp\_base2006 =$ 2.86

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

Test date: Mar-2006
Hardware Availability: Nov-2001
Software Availability: May-2006

Benchmark	Result
410.bwaves	4.03
416.gamess	2.95
433.milc	1.64
434.zeusmp	2.79
435.gromacs	2.67
436.cactusADM	1.87
437.leslie3d	3.25
444.namd	2.95
447.dealII	3.28
450.soplex	1.82
453.povray	3.32
454.calculix	2.86
459.GemsFDTD	2.94
465.tonto	2.97
470.lbm	2.30
481.wrf	3.46
482.sphinx3	5.60

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Hardware
CPU Name:	UltraSPARC III Cu
CPU Characteristics:	
CPU MHz:	900
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

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:	2x36GB 10,000RPM SCSI (RAID 1)
Other Hardware:	None

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	3371	4.03	**3371**	**4.03**	3371	4.03						
416.gamess	6638	2.95	**6639**	**2.95**	6639	2.95						
433.milc	5598	1.64	5598	1.64	**5598**	**1.64**						
434.zeusmp	3260	2.79	**3260**	**2.79**	3260	2.79						
435.gromacs	2674	2.67	2669	2.68	**2669**	**2.67**						
436.cactusADM	6396	1.87	**6396**	**1.87**	6396	1.87						
437.leslie3d	**2897**	**3.25**	2896	3.25	2897	3.24						
444.namd	2723	2.95	**2721**	**2.95**	2721	2.95						
447.dealII	3489	3.28	**3486**	**3.28**	3486	3.28						
450.soplex	**4590**	**1.82**	4606	1.81	4585	1.82						
453.povray	1604	3.32	**1604**	**3.32**	1604	3.32						
454.calculix	2885	2.86	2885	2.86	**2885**	**2.86**						
459.GemsFDTD	3607	2.94	**3606**	**2.94**	3601	2.95						
465.tonto	3308	2.97	**3309**	**2.97**	3314	2.97						
470.lbm	**5970**	**2.30**	5970	2.30	5971	2.30						
481.wrf	3228	3.46	**3228**	**3.46**	3227	3.46						
482.sphinx3	3473	5.61	3489	5.59	**3481**	**5.60**						

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

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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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