



SPEC[®] CFP2006 Result

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Sun Microsystems Sun Fire 280R

SPECfp[®]2006 = --
SPECfp_base2006 = 1.79

CPU2006 license: 6

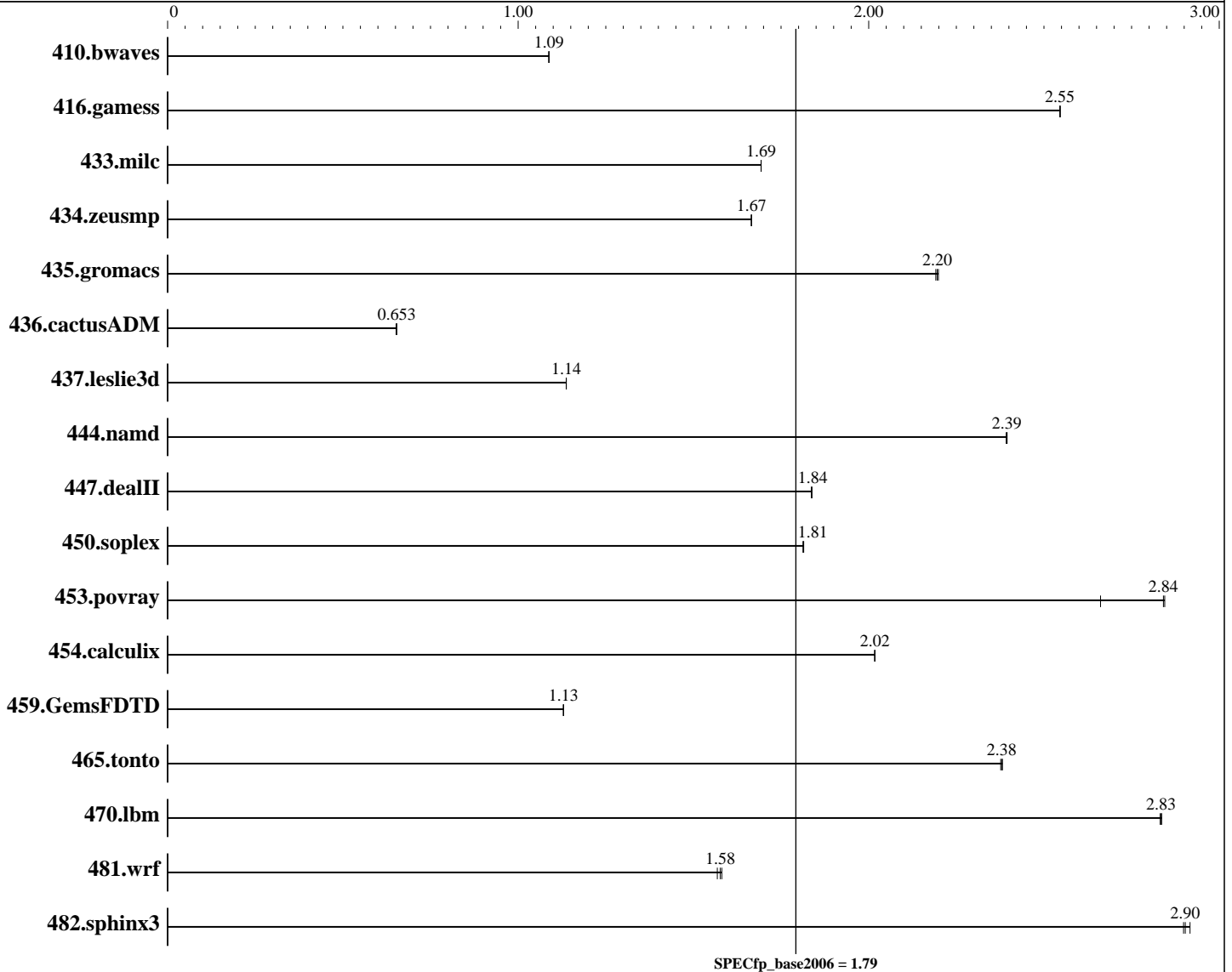
Test sponsor: Sun Microsystems

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

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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