SPEC® CFP2006 Result
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Sun Microsystems
Ultra Enterprise 2

$SPECfp®2006 =$ --
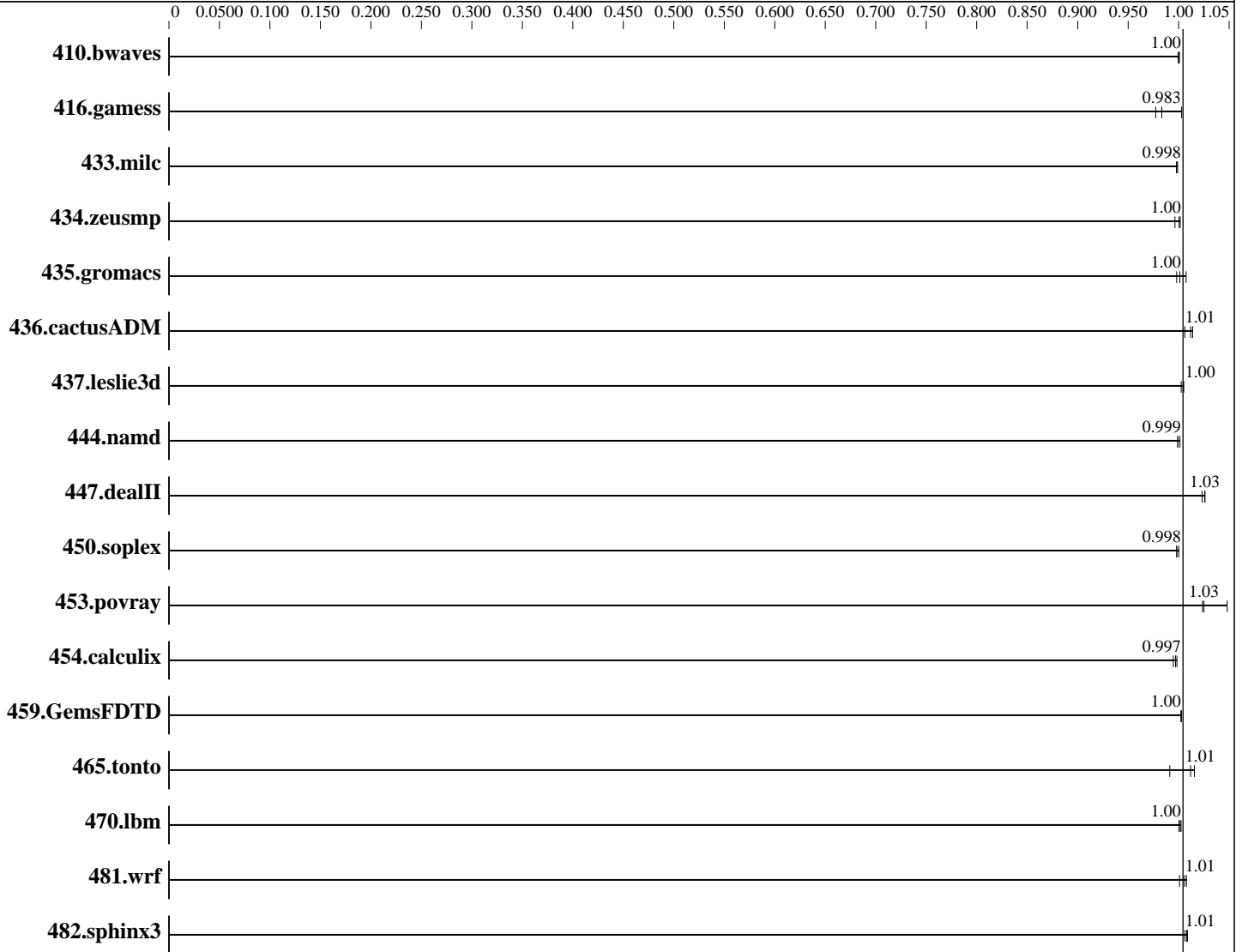
$SPECfp\_base2006 =$ 1.00

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

Test date: Mar-2006
Hardware Availability: Apr-1997
Software Availability: Oct-2005

Benchmark	Result
410.bwaves	1.00
416.gamess	0.983
433.milc	0.998
434.zeusmp	1.00
435.gromacs	1.00
436.cactusADM	1.01
437.leslie3d	1.00
444.namd	0.999
447.dealII	1.03
450.soplex	0.998
453.povray	1.03
454.calculix	0.997
459.GemsFDTD	1.00
465.tonto	1.01
470.lbm	1.00
481.wrf	1.01
482.sphinx3	1.01

SPECfp_base2006 = 1.00

Hardware

CPU Name:	UltraSPARC II
CPU Characteristics:	
CPU MHz:	296
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1-2 chips
Primary Cache:	16 KB I + 16 KB D on chip per chip
Secondary Cache:	2 MB I+D off chip per chip

Software

Operating System:	Solaris 10 3/05
Compiler:	Sun Studio 11
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:	2 GB
Disk Subsystem:	2x36GB 10K RPM SCSI (1 sys disk, 1 for SPEC)
Other Hardware:	None

Results Table

Benchmark	Base Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Peak Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	13579	1.00	13595	1.00	**13592**	**1.00**						
416.gamess	**19914**	**0.983**	19523	1.00	20036	0.977						
433.milc	9189	0.999	9200	0.998	**9198**	**0.998**						
434.zeusmp	**9096**	**1.00**	9086	1.00	9134	0.996						
435.gromacs	**7132**	**1.00**	7154	0.998	7088	1.01						
436.cactusADM	11787	1.01	11878	1.01	**11809**	**1.01**						
437.leslie3d	9353	1.01	**9358**	**1.00**	9376	1.00						
444.namd	8027	0.999	**8026**	**0.999**	8010	1.00						
447.dealII	11180	1.02	**11151**	**1.03**	11150	1.03						
450.soplex	8356	0.998	**8355**	**0.998**	8339	1.00						
453.povray	**5190**	**1.03**	5197	1.02	5076	1.05						
454.calculix	8264	0.998	8294	0.995	**8275**	**0.997**						
459.GemsFDTD	10585	1.00	10581	1.00	**10583**	**1.00**						
465.tonto	9689	1.02	9927	0.991	**9725**	**1.01**						
470.lbm	13736	1.00	**13718**	**1.00**	13707	1.00						
481.wrf	11160	1.00	**11104**	**1.01**	11084	1.01						
482.sphinx3	**19335**	**1.01**	19321	1.01	19368	1.01						

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

    Although two CPUs were enabled during testing,
    the SPEC CPU2006 benchmarks used only 1 CPU.

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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