SPEC® CINT2006 Result

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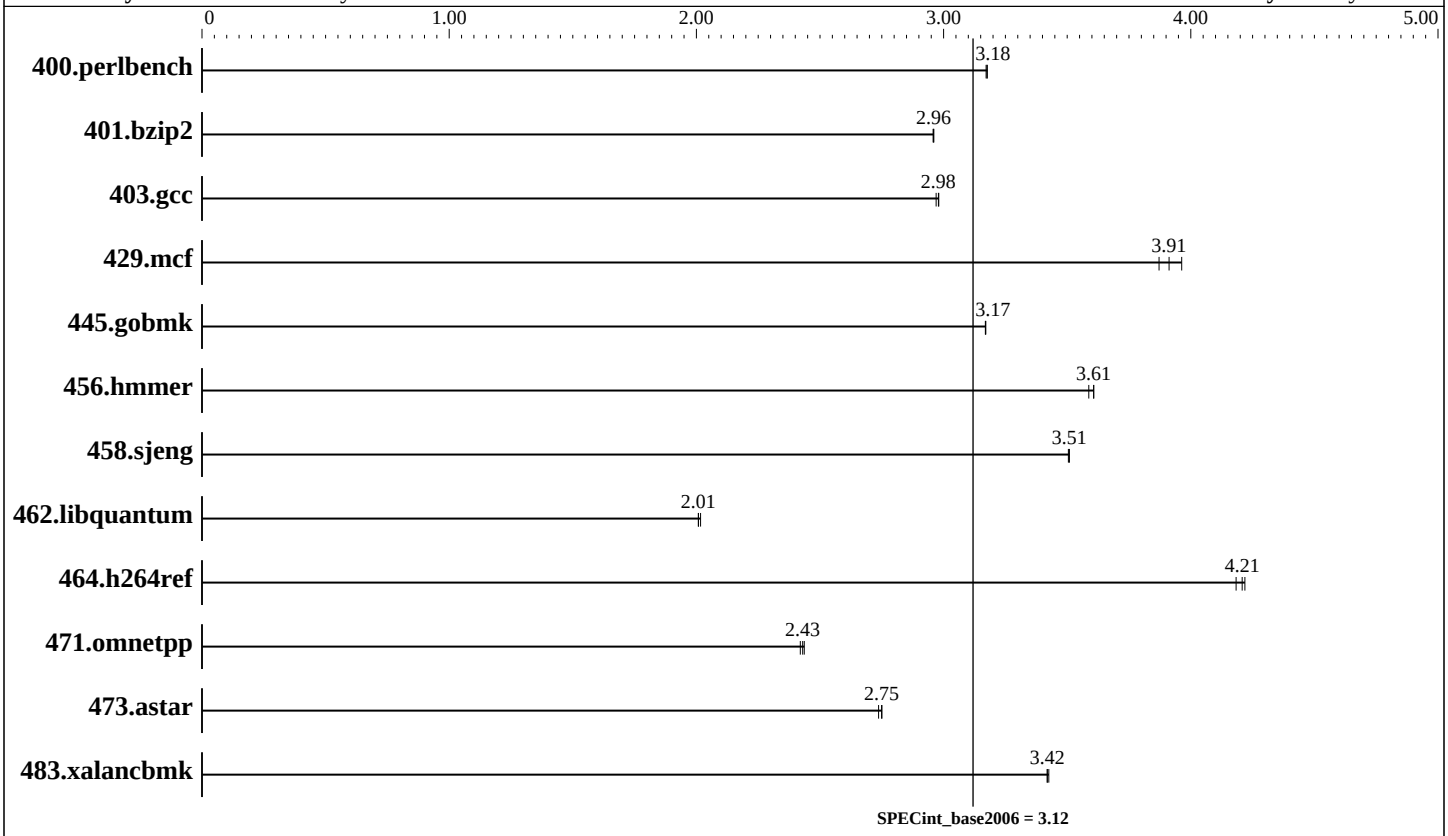
Sun Microsystems
Sun Blade 1000

SPECint®2006 = --

SPECint_base2006 = 3.12

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

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



Hardware

CPU Name:	UltraSPARC III Cu
CPU Characteristics:	
CPU MHz:	900
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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
L3 Cache:	None
Other Cache:	None
Memory:	2 GB (4-way interleaved)
Disk Subsystem:	1x18GB 10K RPM for system 1x36GB 10K RPM for SPEC
Other Hardware:	None

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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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	**3077**	**3.18**	3076	3.18	3080	3.17						
401.bzip2	**3260**	**2.96**	3263	2.96	3260	2.96						
403.gcc	2711	2.97	2701	2.98	**2702**	**2.98**						
429.mcf	2356	3.87	**2331**	**3.91**	2301	3.96						
445.gobmk	3310	3.17	**3310**	**3.17**	3308	3.17						
456.hmmer	2586	3.61	**2587**	**3.61**	2601	3.59						
458.sjeng	3452	3.50	**3449**	**3.51**	3449	3.51						
462.libquantum	**10318**	**2.01**	10319	2.01	10273	2.02						
464.h264ref	5246	4.22	5290	4.18	**5259**	**4.21**						
471.omnetpp	2565	2.44	**2572**	**2.43**	2582	2.42						
473.astar	2552	2.75	**2554**	**2.75**	2565	2.74						
483.xalancbmk	2014	3.43	2018	3.42	**2018**	**3.42**						

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

Platform Notes

```
Although two CPUs were enabled during testing,
the SPEC CPU2006 benchmarks used only one CPU
```

Base Compiler Invocation

C benchmarks:
cc

C++ benchmarks:
CC

Base Portability Flags

400.perlbench: -DSPEC_CPU_SOLARIS_SPARC
403.gcc: -DSPEC_CPU_SOLARIS
462.libquantum: -DSPEC_CPU_SOLARIS
483.xalancbmk: -DSPEC_CPU_SOLARIS

Base Optimization Flags

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

Continued on next page

Base Optimization Flags (Continued)

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

Base Other Flags

C benchmarks:
`-V`

C++ benchmarks:
`-verbose=version`

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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