SPEC® CINT2006 Result

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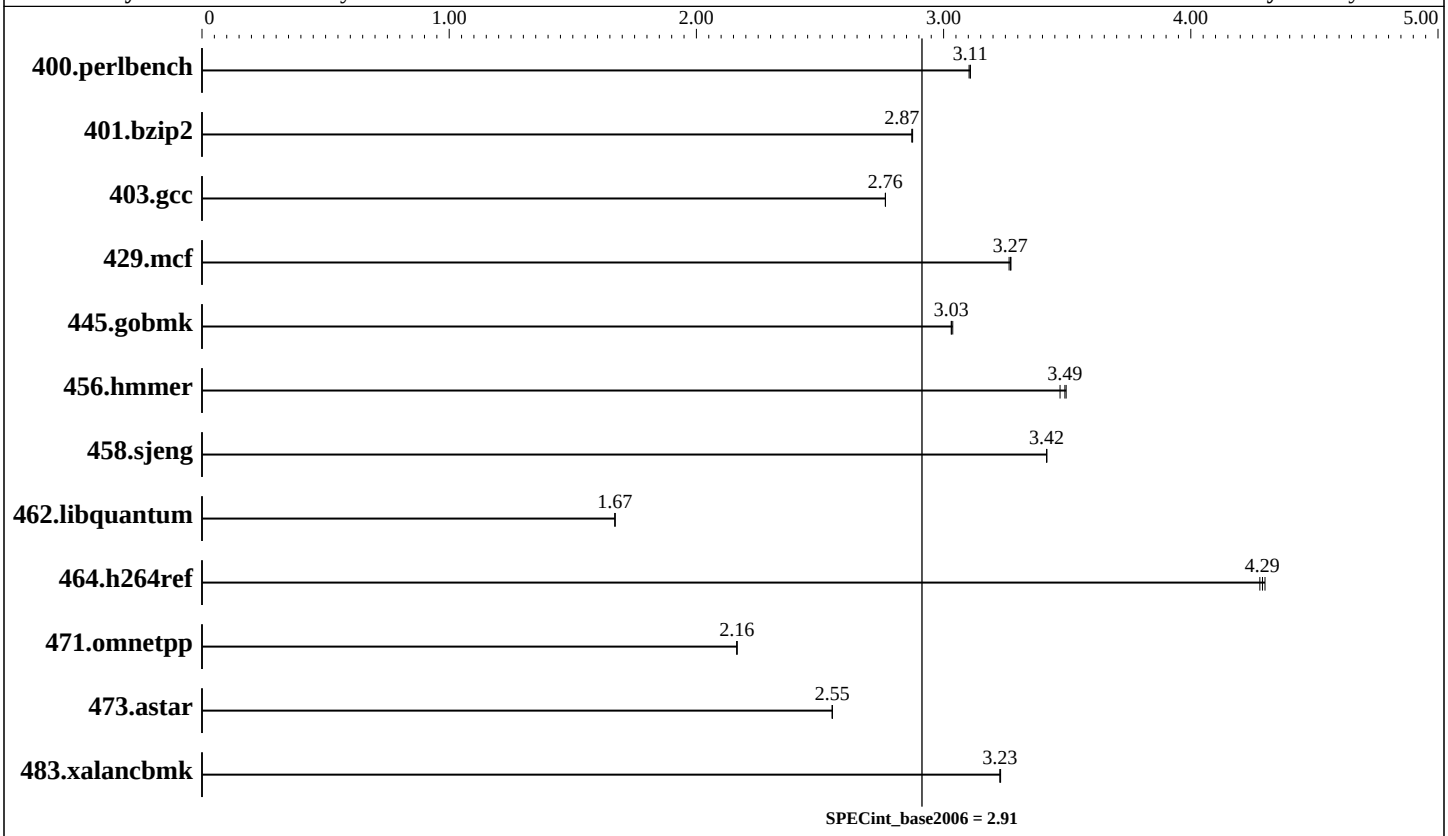
Sun Microsystems
Sun Fire 3800

SPECint®2006 = --

SPECint_base2006 = 2.91

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:	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
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

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	3149	3.10	3143	3.11	**3144**	**3.11**						
401.bzip2	3360	2.87	**3360**	**2.87**	3357	2.87						
403.gcc	**2912**	**2.76**	2912	2.76	2912	2.76						
429.mcf	**2789**	**3.27**	2787	3.27	2793	3.26						
445.gobmk	3461	3.03	3454	3.04	**3461**	**3.03**						
456.hmmer	**2673**	**3.49**	2688	3.47	2669	3.50						
458.sjeng	3541	3.42	**3541**	**3.42**	3542	3.42						
462.libquantum	12402	1.67	12403	1.67	**12402**	**1.67**						
464.h264ref	**5159**	**4.29**	5146	4.30	5171	4.28						
471.omnetpp	2887	2.16	**2888**	**2.16**	2889	2.16						
473.astar	2754	2.55	2753	2.55	**2753**	**2.55**						
483.xalancbmk	2138	3.23	2136	3.23	**2137**	**3.23**						

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`

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
```

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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