SPEC® CINT2006 Result

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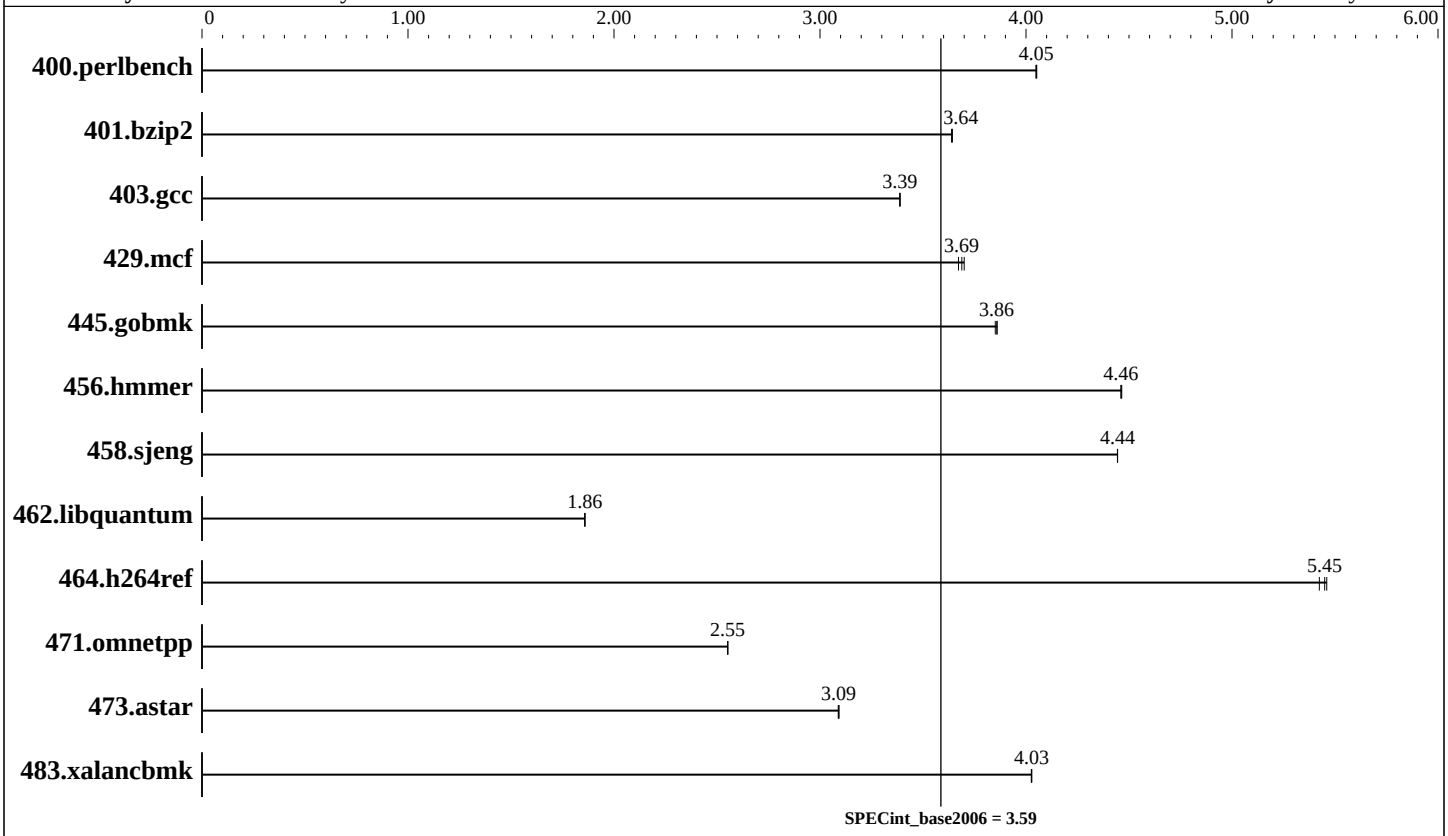
Sun Microsystems
Sun Fire 3800

SPECint®2006 = --

SPECint_base2006 = 3.59

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

Test date: Mar-2006
Hardware Availability: Mar-2003
Software Availability: May-2006



Hardware

CPU Name:	UltraSPARC III Cu
CPU Characteristics:	
CPU MHz:	1200
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:	1x18GB 10,000RPM SCSI for SPEC 2x18GB 10,000RPM SCSI (RAID 1) for system
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	**2412**	**4.05**	2413	4.05	2411	4.05						
401.bzip2	2652	3.64	**2651**	**3.64**	2649	3.64						
403.gcc	2376	3.39	2376	3.39	**2376**	**3.39**						
429.mcf	**2473**	**3.69**	2465	3.70	2483	3.67						
445.gobmk	2724	3.85	**2719**	**3.86**	2718	3.86						
456.hmmer	2090	4.46	**2091**	**4.46**	2091	4.46						
458.sjeng	2722	4.44	**2723**	**4.44**	2723	4.44						
462.libquantum	11149	1.86	11147	1.86	**11149**	**1.86**						
464.h264ref	4053	5.46	**4061**	**5.45**	4080	5.42						
471.omnetpp	2449	2.55	**2449**	**2.55**	2449	2.55						
473.astar	2273	3.09	2270	3.09	**2271**	**3.09**						
483.xalancbmk	1714	4.03	1713	4.03	**1714**	**4.03**						

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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