



# SPEC® CINT2006 Result

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## Sun Microsystems Sun Fire 3800

SPECint®2006 = --  
SPECint\_base2006 = 3.59

CPU2006 license: 6

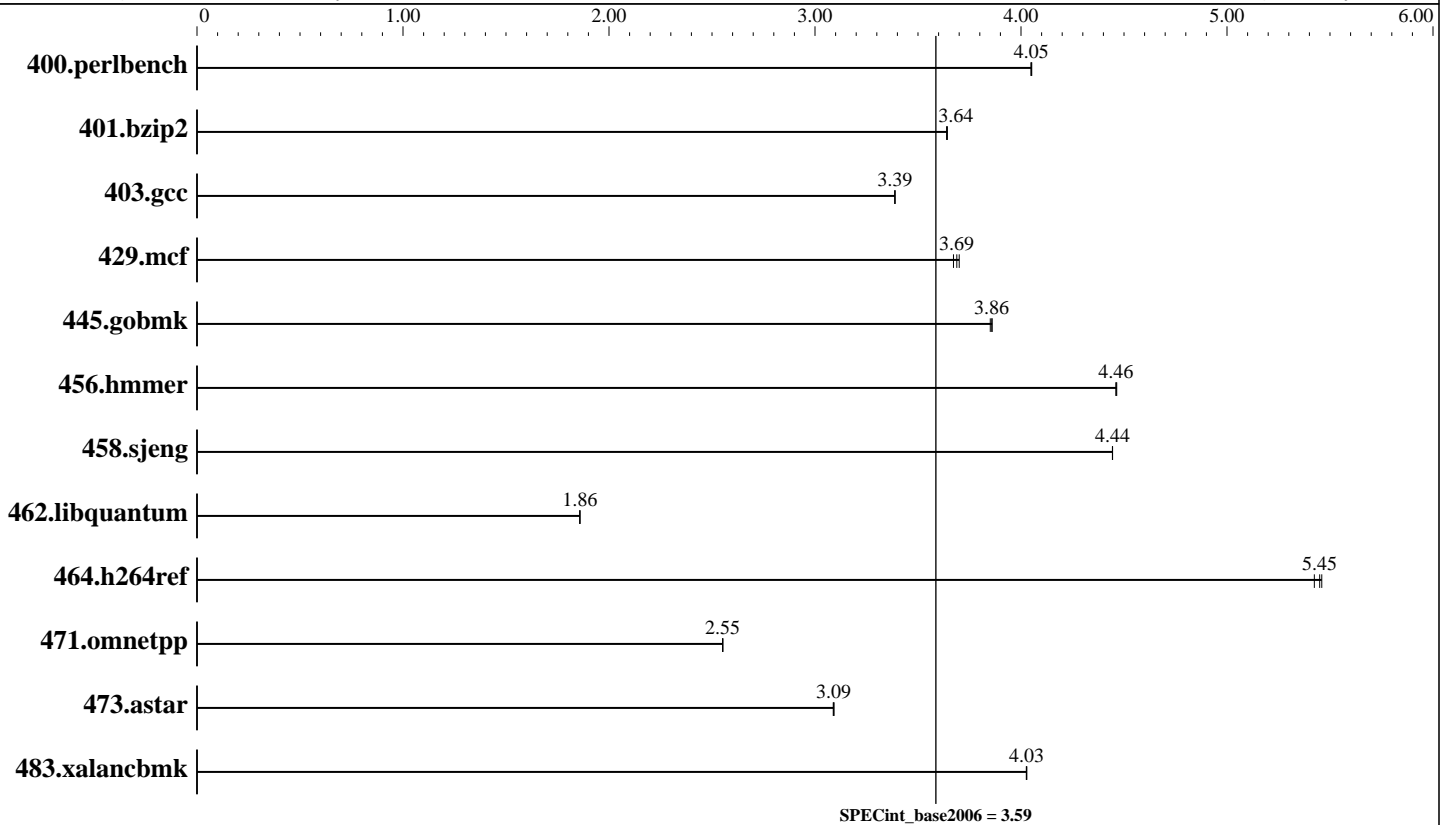
Test sponsor: Sun Microsystems

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	<u>2412</u>	<u>4.05</u>	2413	4.05	2411	4.05						
401.bzip2	2652	3.64	<u>2651</u>	<u>3.64</u>	2649	3.64						
403.gcc	2376	3.39	2376	3.39	<u>2376</u>	<u>3.39</u>						
429.mcf	<u>2473</u>	<u>3.69</u>	2465	3.70	2483	3.67						
445.gobmk	2724	3.85	<u>2719</u>	<u>3.86</u>	2718	3.86						
456.hammer	2090	4.46	<u>2091</u>	<u>4.46</u>	2091	4.46						
458.sjeng	2722	4.44	<u>2723</u>	<u>4.44</u>	2723	4.44						
462.libquantum	11149	1.86	11147	1.86	<u>11149</u>	<u>1.86</u>						
464.h264ref	4053	5.46	<u>4061</u>	<u>5.45</u>	4080	5.42						
471.omnetpp	2449	2.55	<u>2449</u>	<u>2.55</u>	2449	2.55						
473.astar	2273	3.09	2270	3.09	<u>2271</u>	<u>3.09</u>						
483.xalancbmk	1714	4.03	1713	4.03	<u>1714</u>	<u>4.03</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 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



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## 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](mailto:webmaster@spec.org).

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