



# SPEC<sup>®</sup> CINT2006 Result

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## Sun Microsystems Ultra Enterprise 2

SPECint<sup>®</sup>\_rate2006 = --

SPECint\_rate\_base2006 = 1.00

CPU2006 license: 6

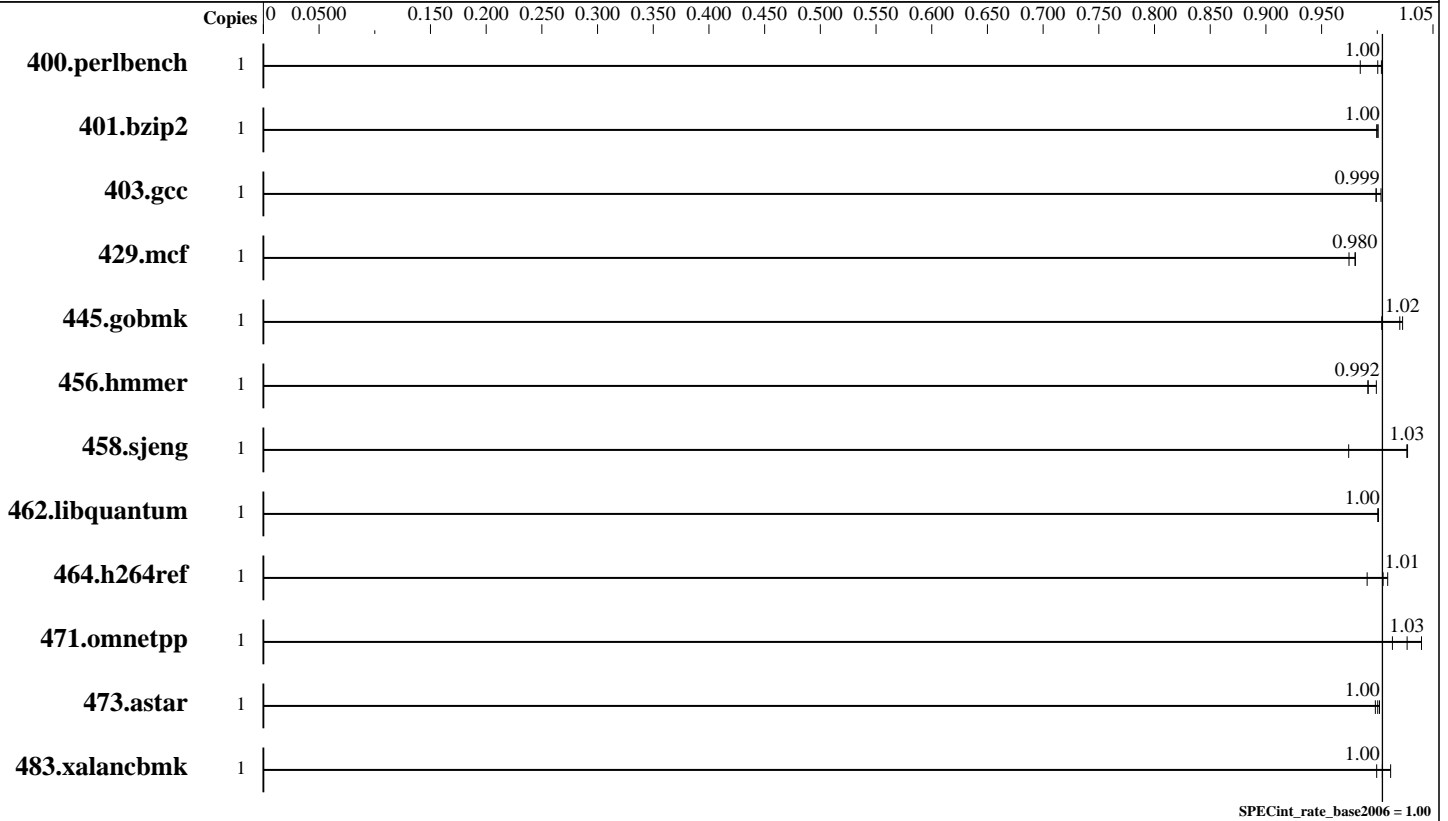
Test sponsor: Sun Microsystems

Tested by: Sun Microsystems

Test date: Mar-2006

Hardware Availability: Apr-1997

Software Availability: Oct-2005



### 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  
 L3 Cache: None  
 Other Cache: None  
 Memory: 2 GB  
 Disk Subsystem: 2x36GB 10K RPM SCSI (1 sys disk, 1 for SPEC)  
 Other Hardware: None

### 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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## Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	1	9922	0.985	9734	1.00	<b>9766</b>	<b>1.00</b>							
401.bzip2	1	9656	0.999	<b>9644</b>	<b>1.00</b>	9644	1.00							
403.gcc	1	8059	0.999	<b>8058</b>	<b>0.999</b>	8023	1.00							
429.mcf	1	9358	0.975	<b>9306</b>	<b>0.980</b>	9303	0.980							
445.gobmk	1	10257	1.02	<b>10283</b>	<b>1.02</b>	10449	1.00							
456.hammer	1	<b>9408</b>	<b>0.992</b>	9409	0.992	9338	0.999							
458.sjeng	1	11780	1.03	<b>11787</b>	<b>1.03</b>	12419	0.974							
462.libquantum	1	20708	1.00	20702	1.00	<b>20704</b>	<b>1.00</b>							
464.h264ref	1	<b>22015</b>	<b>1.01</b>	21925	1.01	22334	0.991							
471.omnetpp	1	6012	1.04	<b>6087</b>	<b>1.03</b>	6166	1.01							
473.astar	1	7032	0.998	7006	1.00	<b>7017</b>	<b>1.00</b>							
483.xalancbmk	1	6818	1.01	<b>6869</b>	<b>1.00</b>	6904	0.999							

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

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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