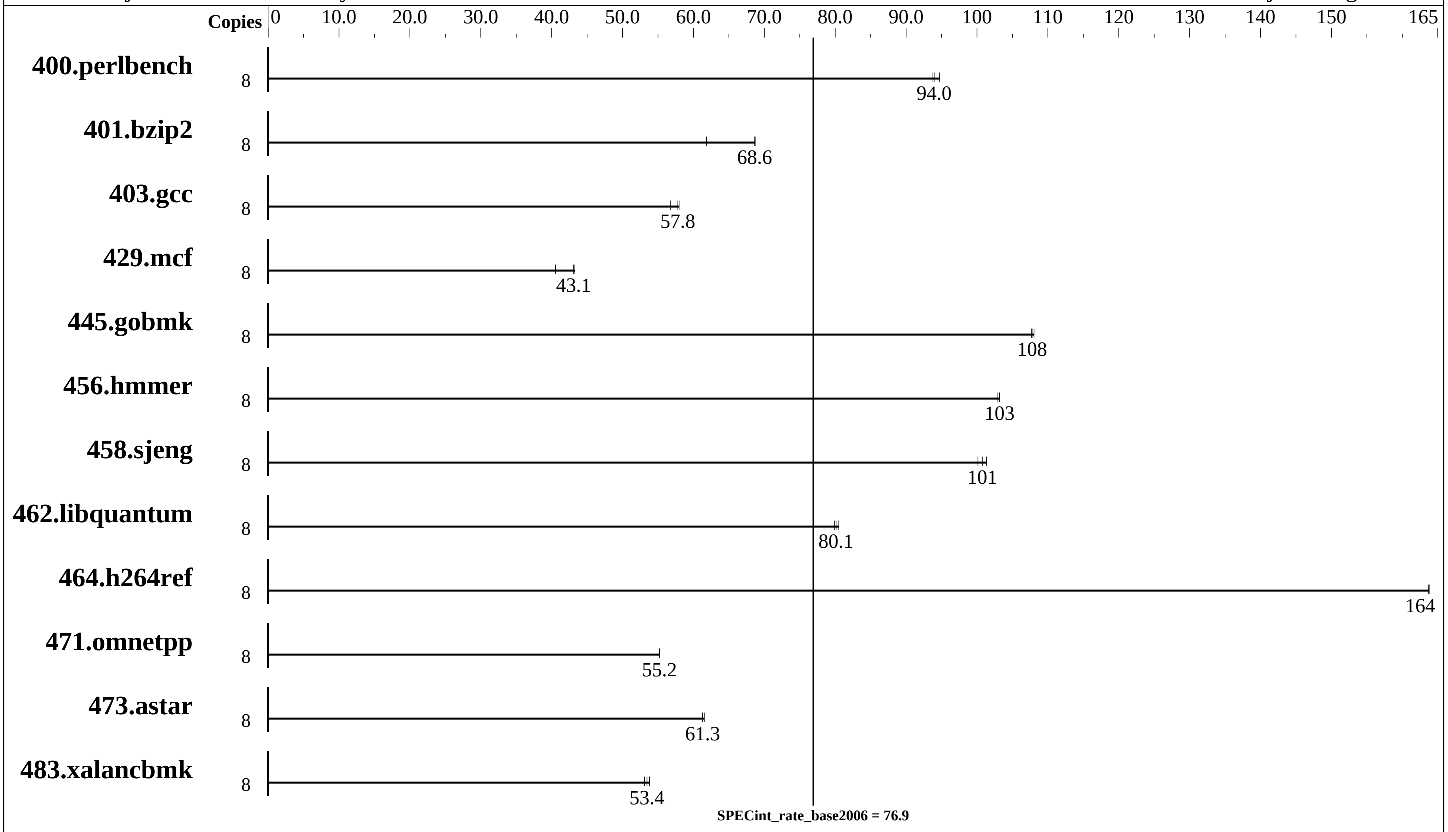
SPEC® CINT2006 Result

Sun Microsystems
Sun Fire X4600 M2

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 76.9

CPU2006 license: 6		**Test date:**	Feb-2007
Test sponsor:	Sun Microsystems	**Hardware Availability:**	Oct-2006
Tested by:	Sun Microsystems	**Software Availability:**	Aug-2006



Hardware

CPU Name:	AMD Opteron 8220
CPU Characteristics:	
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	8 cores, 4 chips, 2 cores/chip
CPU(s) orderable:	4,8 chips
Primary Cache:	64 KB I + 64 KB D on chip per core
Secondary Cache:	1 MB I+D on chip per core
L3 Cache:	None
Other Cache:	None
Memory:	16 GB (16x1GB, DDR2-667 CL5 ECC Reg)
Disk Subsystem:	SAS, 72 GB,10K RPM
Other Hardware:	None

Software

Operating System:	SuSE SLES9SP3 64-bit kernel
Compiler:	QLogic PathScale Compiler Suite, Release 2.5
Auto Parallel:	No
File System:	ext3
System State:	Multi-user, run level 3
Base Pointers:	32/64-bit
Peak Pointers:	Not Applicable
Other Software:	--

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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	8	825	94.7	**832**	**94.0**	833	93.8							
401.bzip2	8	1249	61.8	1124	68.7	**1125**	**68.6**							
403.gcc	8	1111	58.0	**1114**	**57.8**	1135	56.7							
429.mcf	8	1799	40.6	**1693**	**43.1**	1686	43.3							
445.gobmk	8	777	108	779	108	**779**	**108**							
456.hmmer	8	**723**	**103**	725	103	723	103							
458.sjeng	8	967	100	**961**	**101**	955	101							
462.libquantum	8	2059	80.5	**2069**	**80.1**	2074	79.9							
464.h264ref	8	1081	164	1081	164	**1081**	**164**							
471.omnetpp	8	906	55.2	906	55.2	**906**	**55.2**							
473.astar	8	**916**	**61.3**	917	61.3	913	61.5							
483.xalancbmk	8	**1033**	**53.4**	1026	53.8	1040	53.1							

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

General Notes

```
taskset utility used to bind CPU(s) to processes
```

Base Compiler Invocation

C benchmarks:
`pathcc`

C++ benchmarks:
`pathCC`

Base Portability Flags

400.perlbench: `-DSPEC_CPU_LP64 -DSPEC_CPU_LINUX_X64`
401.bzip2: `-DSPEC_CPU_LP64`
403.gcc: `-DSPEC_CPU_LP64`
429.mcf: `-DSPEC_CPU_LP64`
445.gobmk: `-DSPEC_CPU_LP64`
456.hmmer: `-DSPEC_CPU_LP64`
458.sjeng: `-DSPEC_CPU_LP64`
462.libquantum: `-DSPEC_CPU_LP64 -DSPEC_CPU_LINUX`
464.h264ref: `-DSPEC_CPU_LP64`
483.xalancbmk: `-DSPEC_CPU_LINUX`

Base Optimization Flags

C benchmarks:
`-Ofast`

C++ benchmarks:
`-Ofast -m32`

Base Other Flags

C benchmarks:
`-IPA:max_jobs=4`

C++ benchmarks:
`-IPA:max_jobs=4`

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.30.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.30.xml

For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

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