SPEC® CINT2006 Result

Supermicro

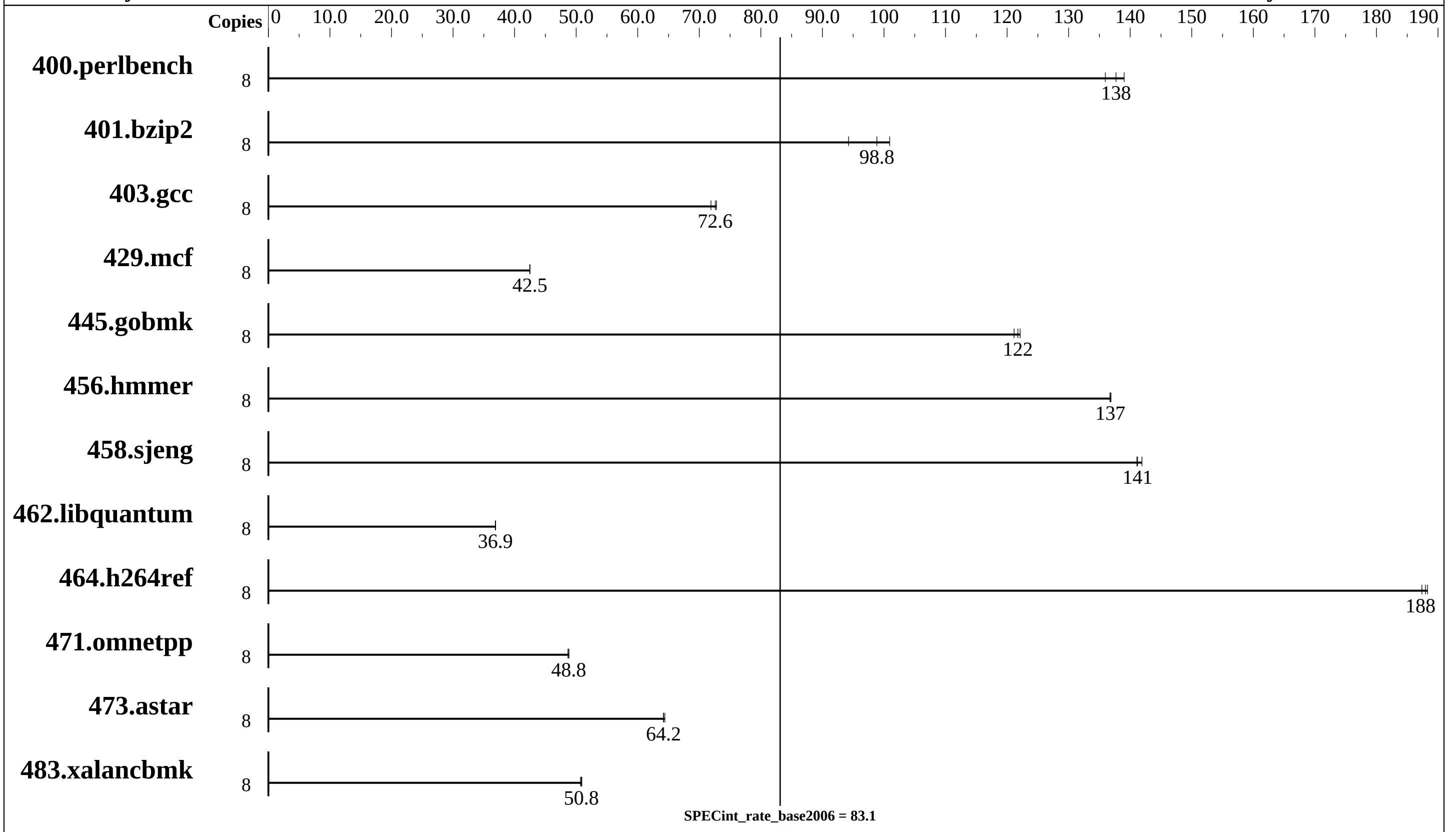
(Test Sponsor: Advanced Micro Devices)

SuperServer 6025W-NTR+B, Intel Xeon 5440

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 83.1

CPU2006 license: 49		**Test date:**	Apr-2008
Test sponsor:	Advanced Micro Devices	**Hardware Availability:**	Nov-2007
Tested by:	Advanced Micro Devices	**Software Availability:**	Mar-2008



Hardware

CPU Name:	Intel Xeon E5440
CPU Characteristics:	
CPU MHz:	2833
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 4 cores/chip
CPU(s) orderable:	1,2 chips
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	12 MB I+D on chip per chip, 6 MB shared / 2 cores
L3 Cache:	None
Other Cache:	None
Memory:	16 GB (8 x 2GB, DDR2-667 FBDIMM CL5 Dual Rank)
Disk Subsystem:	1 x 120 GB SATA, 7200 RPM
Other Hardware:	None

Software

Operating System:	SuSE Linux Enterprise Server 10 (x86_64) SP1, Kernel 2.6.16.46-0.12-smp
Compiler:	gcc, g++ 4.3.0
Auto Parallel:	No
File System:	ext3
System State:	Runlevel 3 (Full multiuser with network)
Base Pointers:	64-bit
Peak Pointers:	Not Applicable
Other Software:	None

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Results Table

	Base							Peak						
Benchmark	**Copies**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Copies**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**
400.perlbench	8	562	139	575	136	**568**	**138**							
401.bzip2	8	765	101	**781**	**98.8**	819	94.2							
403.gcc	8	**887**	**72.6**	896	71.9	885	72.8							
429.mcf	8	1719	42.4	**1718**	**42.5**	1717	42.5							
445.gobmk	8	**689**	**122**	687	122	693	121							
456.hmmer	8	546	137	545	137	**546**	**137**							
458.sjeng	8	686	141	682	142	**686**	**141**							
462.libquantum	8	**4494**	**36.9**	4490	36.9	4497	36.9							
464.h264ref	8	945	187	940	188	**942**	**188**							
471.omnetpp	8	1028	48.7	1024	48.8	**1025**	**48.8**							
473.astar	8	**875**	**64.2**	875	64.2	872	64.4							
483.xalancbmk	8	1084	50.9	**1086**	**50.8**	1089	50.7							

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

Operating System Notes

'numactl' was used to bind copies to the cores

Base Compiler Invocation

C benchmarks:
gcc

C++ benchmarks:
g++

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
471.omnetpp: -DSPEC_CPU_LP64
473.astar: -DSPEC_CPU_LP64

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Base Portability Flags (Continued)

483.xalancbmk: `-DSPEC_CPU_LP64 -DSPEC_CPU_LINUX`

Base Optimization Flags

C benchmarks:
`-O3 -funroll-loops -fno-strict-aliasing`

C++ benchmarks:
`-O3 -funroll-loops -fno-strict-aliasing`

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090713.04.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090713.04.xml

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

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 18:44:36 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 5 August 2008.