SPEC® CINT2006 Result

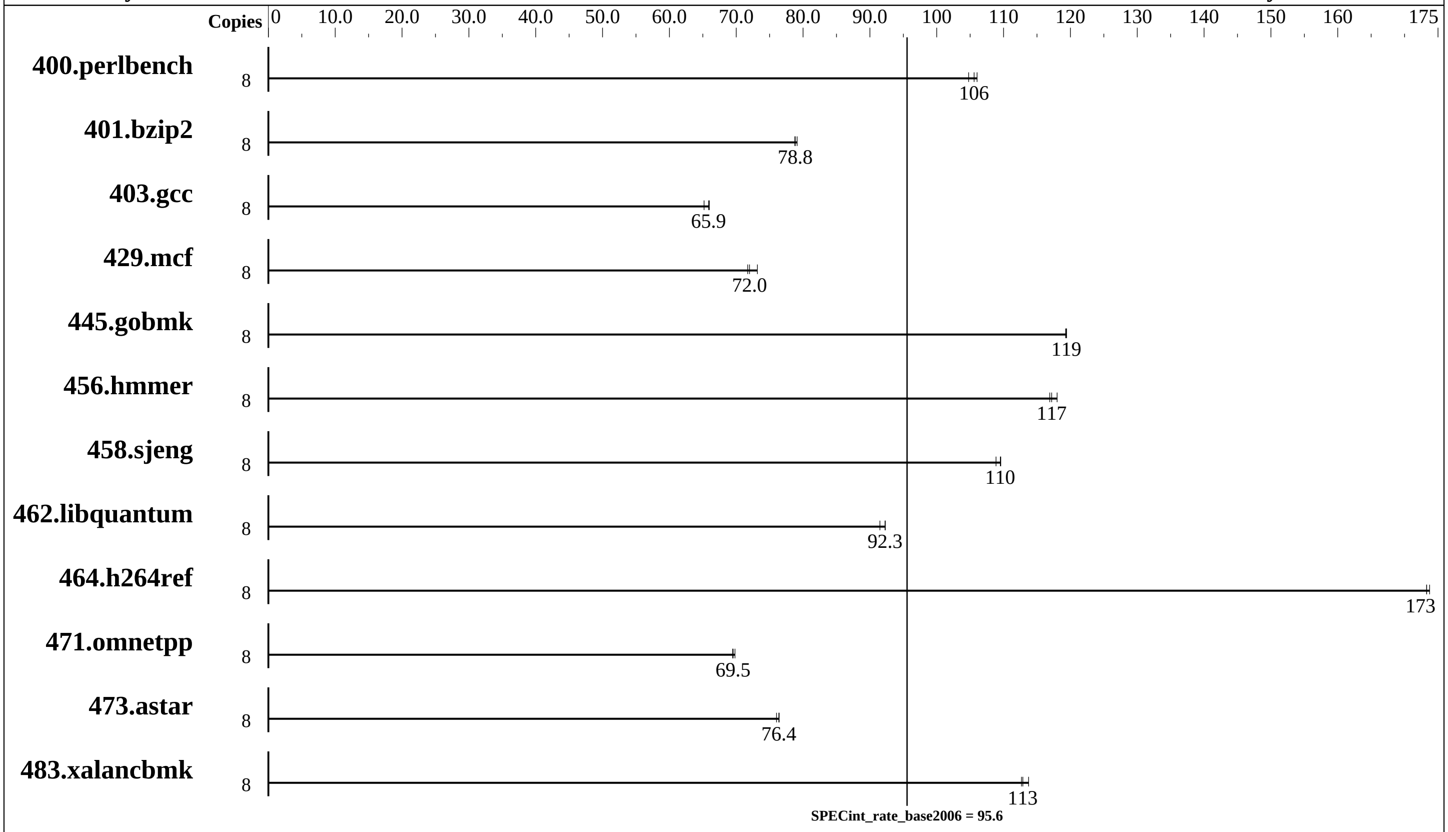
Dell Inc.

PowerEdge 6950 (AMD Opteron 8222 SE, 3.00GHz)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 95.6

CPU2006 license: 55		**Test date:**	Apr-2007
Test sponsor:	Dell Inc.	**Hardware Availability:**	Apr-2007
Tested by:	Dell Inc.	**Software Availability:**	Feb-2007



Hardware

CPU Name:	AMD Opteron 8222 SE
CPU Characteristics:	
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	8 cores, 4 chips, 2 cores/chip
CPU(s) orderable:	2,4 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:	32 GB (16x2GB, DDR2-667 CL5 ECC Dual Rank)
Disk Subsystem:	SAS, 73 GB
Other Hardware:	None

Software

Operating System:	SuSE Linux Enterprise Server 10 64-bit kernel
Compiler:	QLogic PathScale Compiler Suite, Release 3.0
Auto Parallel:	No
File System:	ReiserFS
System State:	Multi-user, run level 3
Base Pointers:	32/64-bit
Peak Pointers:	Not Applicable
Other Software:	SmartHeap 8.0 32 bit Library for Linux

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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	746	105	737	106	**740**	**106**							
401.bzip2	8	976	79.1	**979**	**78.8**	980	78.8							
403.gcc	8	976	66.0	**978**	**65.9**	988	65.2							
429.mcf	8	997	73.2	1017	71.7	**1014**	**72.0**							
445.gobmk	8	703	119	**703**	**119**	704	119							
456.hmmer	8	632	118	**637**	**117**	638	117							
458.sjeng	8	889	109	**884**	**110**	883	110							
462.libquantum	8	1812	91.5	1796	92.3	**1797**	**92.3**							
464.h264ref	8	1022	173	1019	174	**1022**	**173**							
471.omnetpp	8	720	69.5	**719**	**69.5**	716	69.8							
473.astar	8	735	76.4	**735**	**76.4**	739	76.0							
483.xalancbmk	8	485	114	**489**	**113**	490	113							

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

General Notes

```
Taskset utility used to bind cores 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`

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Base Optimization Flags

C benchmarks:
`-Ofast -OPT:malloc_alg=1`

C++ benchmarks:
`-Ofast -m32 -L/cpu2006/mpaton/1.0/amd514K8.lib/32 -lsmartheap`

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.xml

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

Tested with SPEC CPU2006 v1.0.
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