



SPEC® CINT2006 Result

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Dell Inc.

SPECint®_rate2006 = Not Run

PowerEdge 2970 (AMD Opteron 2210, 1.80GHz)

SPECint_rate_base2006 = 32.5

CPU2006 license: 55

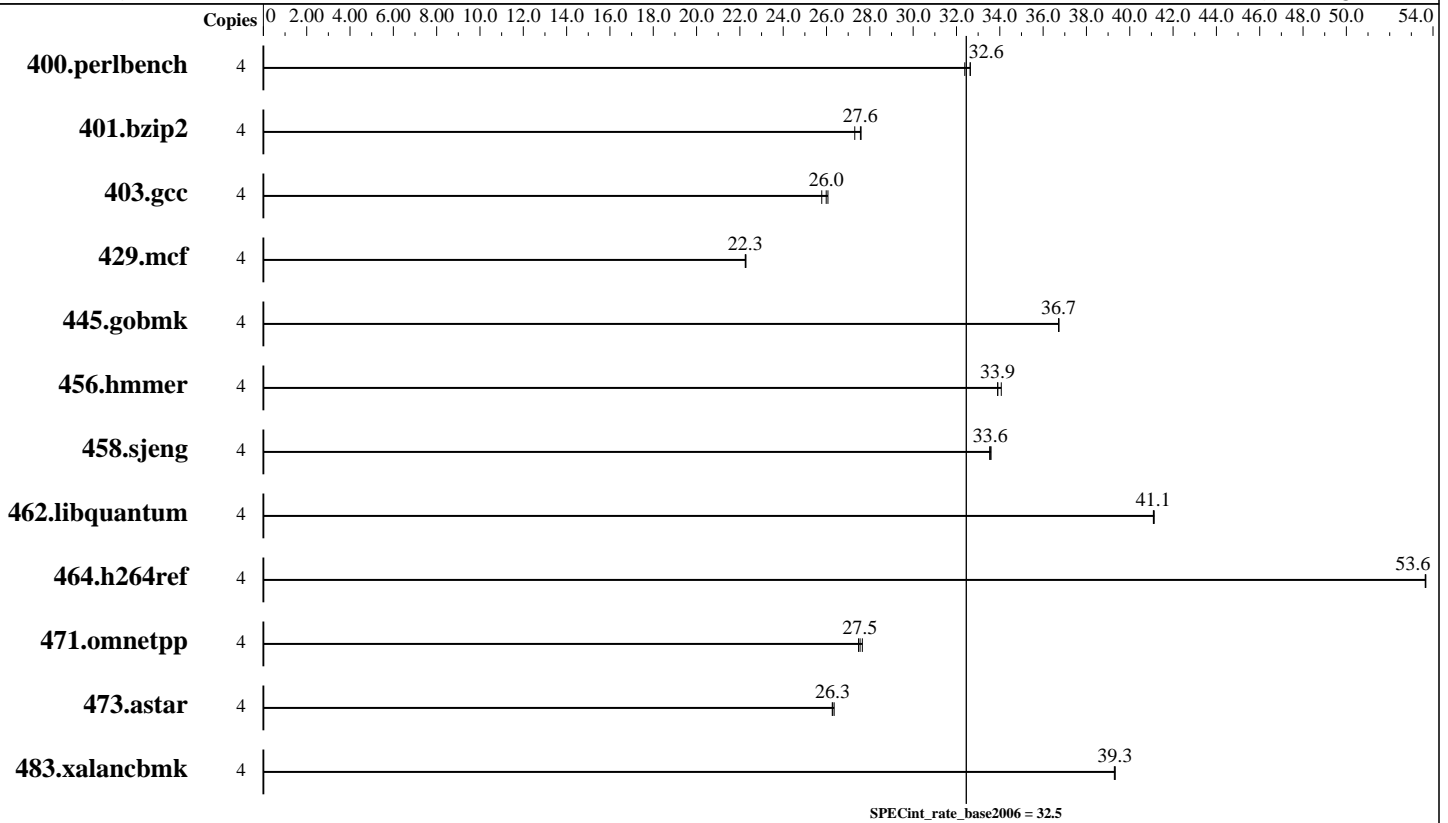
Test date: Mar-2007

Test sponsor: Dell Inc.

Hardware Availability: Apr-2007

Tested by: Dell Inc.

Software Availability: Aug-2006



Hardware

CPU Name: AMD Opteron 2210
 CPU Characteristics: 1800
 CPU MHz: Integrated
 FPU: 4 cores, 2 chips, 2 cores/chip
 CPU(s) enabled: 1,2 chips
 CPU(s) orderable: 64 KB I + 64 KB D on chip per core
 Primary Cache: 1 MB I+D on chip per core
 Secondary Cache: None
 L3 Cache: None
 Other Cache: None
 Memory: 16 GB (8x2GB, 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 2.5
 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

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	4	1207	32.4	<u>1198</u>	<u>32.6</u>	1197	32.6							
401.bzip2	4	<u>1400</u>	<u>27.6</u>	1399	27.6	1414	27.3							
403.gcc	4	1235	26.1	<u>1239</u>	<u>26.0</u>	1249	25.8							
429.mcf	4	1637	22.3	<u>1639</u>	<u>22.3</u>	1640	22.3							
445.gobmk	4	<u>1143</u>	<u>36.7</u>	1143	36.7	1142	36.7							
456.hmmer	4	1095	34.1	1101	33.9	<u>1101</u>	<u>33.9</u>							
458.sjeng	4	1443	33.5	1441	33.6	<u>1442</u>	<u>33.6</u>							
462.libquantum	4	2017	41.1	<u>2017</u>	<u>41.1</u>	2015	41.1							
464.h264ref	4	1650	53.6	<u>1650</u>	<u>53.6</u>	1649	53.7							
471.omnetpp	4	<u>907</u>	<u>27.5</u>	910	27.5	904	27.7							
473.astar	4	<u>1068</u>	<u>26.3</u>	1069	26.3	1066	26.4							
483.xalancbmk	4	702	39.3	<u>702</u>	<u>39.3</u>	702	39.3							

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
Binaries were built on SuSE Linux Enterprise Server 9 SP3 64-bit

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

C++ benchmarks:

-Ofast -m32

-L/spec/mpaton/6v1.0/amd512K8.lib/microquill/lib -lsmartheap

Base Other Flags

C benchmarks:

-IPA:max_jobs=2

C++ benchmarks:

-IPA:max_jobs=2

The flags file that was used to format this result can be browsed at

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.25.html

You can also download the XML flags source by saving the following link:

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.25.xml

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For other inquiries, please contact webmaster@spec.org.

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