



SPEC® CINT2006 Result

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Dell Inc.

SPECint®_rate2006 = Not Run

PowerEdge 2970 (AMD Opteron 2222 SE, 3.00GHz)

SPECint_rate_base2006 = 50.3

CPU2006 license: 55

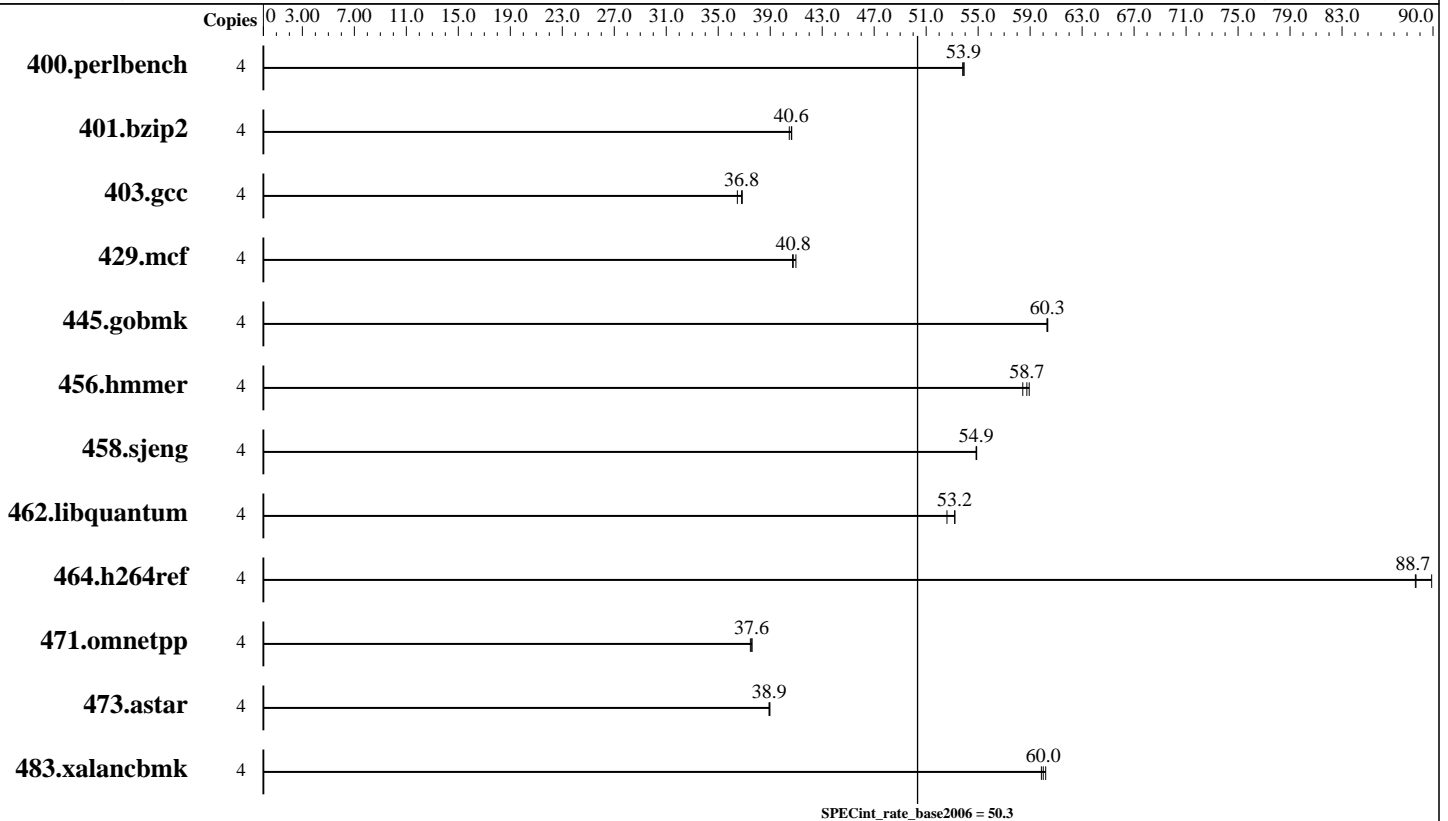
Test date: Apr-2007

Test sponsor: Dell Inc.

Hardware Availability: Apr-2007

Tested by: Dell Inc.

Software Availability: Feb-2007



Hardware

CPU Name: AMD Opteron 2222 SE
 CPU Characteristics:
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2 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 (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 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

Benchmark	Base								Peak					
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	4	726	53.8	<u>725</u>	<u>53.9</u>	725	53.9							
401.bzip2	4	<u>950</u>	<u>40.6</u>	949	40.7	954	40.5							
403.gcc	4	<u>875</u>	<u>36.8</u>	874	36.8	883	36.5							
429.mcf	4	890	41.0	<u>895</u>	<u>40.8</u>	896	40.7							
445.gobmk	4	695	60.4	<u>696</u>	<u>60.3</u>	696	60.3							
456.hammer	4	633	58.9	<u>635</u>	<u>58.7</u>	639	58.4							
458.sjeng	4	<u>882</u>	<u>54.9</u>	882	54.9	882	54.8							
462.libquantum	4	1576	52.6	1558	53.2	<u>1558</u>	<u>53.2</u>							
464.h264ref	4	999	88.6	<u>998</u>	<u>88.7</u>	985	89.9							
471.omnetpp	4	665	37.6	<u>665</u>	<u>37.6</u>	667	37.5							
473.astar	4	722	38.9	720	39.0	<u>721</u>	<u>38.9</u>							
483.xalancbmk	4	<u>460</u>	<u>60.0</u>	458	60.2	461	59.9							

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.hammer: -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

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

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