



SPEC[®] CINT2006 Result

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Dell Inc.

PowerEdge 2900 (Intel Xeon processor 5110, 1.60GHz)

SPECint[®]_rate2006 = Not Run

SPECint_rate_base2006 = 34.2

CPU2006 license: 55

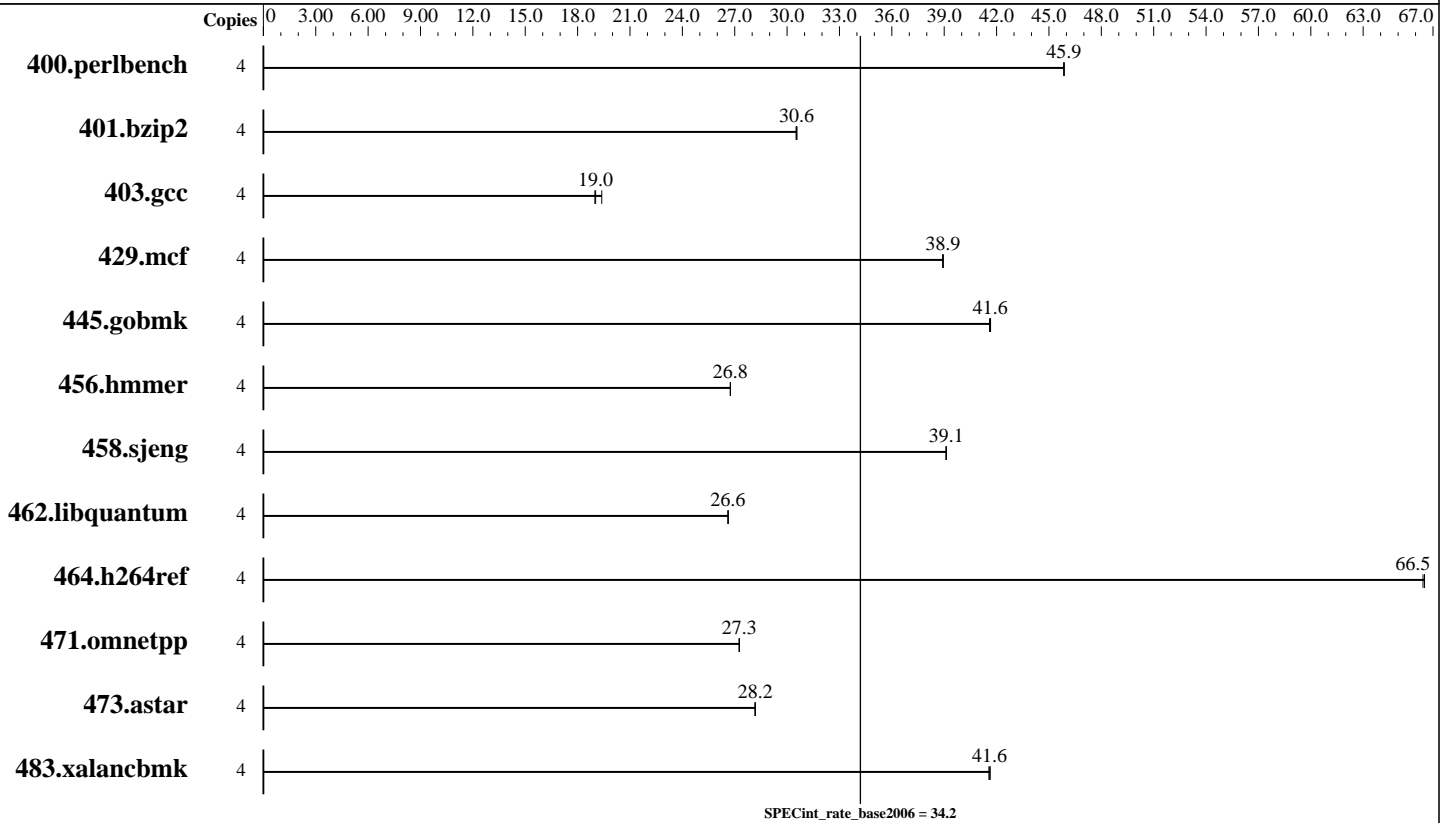
Test sponsor: Dell Inc.

Tested by: Dell Inc.

Test date: Mar-2007

Hardware Availability: Jul-2006

Software Availability: Nov-2006



Hardware

CPU Name: Intel Xeon 5110
 CPU Characteristics: 1066 MHz Bus Speed
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 4 MB I+D on chip per chip
 L3 Cache: None
 Other Cache: None
 Memory: 16 GB (8 x 2 GB 667MHz CL5 DDR2 FB-DIMM SDRAM)
 Disk Subsystem: 1 x 73 GB SAS 15k RPM
 Other Hardware: None

Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)
 Compiler: Intel C++ Compiler 9.1 for IA32 (20061103Z) Microsoft Visual Studio 2005
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: Not Applicable
 Other Software: MicroQuill SmartHeap Library 8.0



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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 | 852 | 45.9 | 852 | 45.9 | <u>852</u> | <u>45.9</u> | | | | | | | |
| 401.bzip2 | 4 | 1265 | 30.5 | <u>1263</u> | <u>30.6</u> | 1263 | 30.6 | | | | | | | |
| 403.gcc | 4 | <u>1692</u> | <u>19.0</u> | 1661 | 19.4 | 1696 | 19.0 | | | | | | | |
| 429.mcf | 4 | <u>937</u> | <u>38.9</u> | 937 | 38.9 | 937 | 38.9 | | | | | | | |
| 445.gobmk | 4 | 1009 | 41.6 | <u>1008</u> | <u>41.6</u> | 1007 | 41.7 | | | | | | | |
| 456.hammer | 4 | 1395 | 26.8 | 1395 | 26.8 | <u>1395</u> | <u>26.8</u> | | | | | | | |
| 458.sjeng | 4 | 1237 | 39.1 | 1238 | 39.1 | <u>1237</u> | <u>39.1</u> | | | | | | | |
| 462.libquantum | 4 | 3114 | 26.6 | 3113 | 26.6 | <u>3114</u> | <u>26.6</u> | | | | | | | |
| 464.h264ref | 4 | 1331 | 66.5 | 1333 | 66.4 | <u>1331</u> | <u>66.5</u> | | | | | | | |
| 471.omnetpp | 4 | <u>917</u> | <u>27.3</u> | 917 | 27.3 | 917 | 27.3 | | | | | | | |
| 473.astar | 4 | 997 | 28.2 | 997 | 28.2 | <u>997</u> | <u>28.2</u> | | | | | | | |
| 483.xalancbmk | 4 | 663 | 41.6 | <u>663</u> | <u>41.6</u> | 664 | 41.6 | | | | | | | |

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

Platform Notes

Snoop Filter enabled in BIOS

General Notes

32-bit binaries were built on Windows XP Professional x64 Edition

Base Compiler Invocation

C benchmarks:
icl -Qc99

C++ benchmarks:
icl

Base Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32
483.xalancbmk: -Qoption, cpp, --no_wchar_t_keyword



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Base Optimization Flags

C benchmarks:

`-fast /F512000000 shlW32M.lib -link /FORCE:MULTIPLE`

C++ benchmarks:

`-fast -Qcxx_features /F512000000 shlW32M.lib
-link /FORCE:MULTIPLE`

Base Other Flags

C benchmarks:

`403.gcc: -Dalloca=_alloca`

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

<http://www.spec.org/cpu2006/flags/dell.cpu2006.ic91.flags.html>

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

<http://www.spec.org/cpu2006/flags/dell.cpu2006.ic91.flags.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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