SPEC® CINT2006 Result

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Dell Inc.

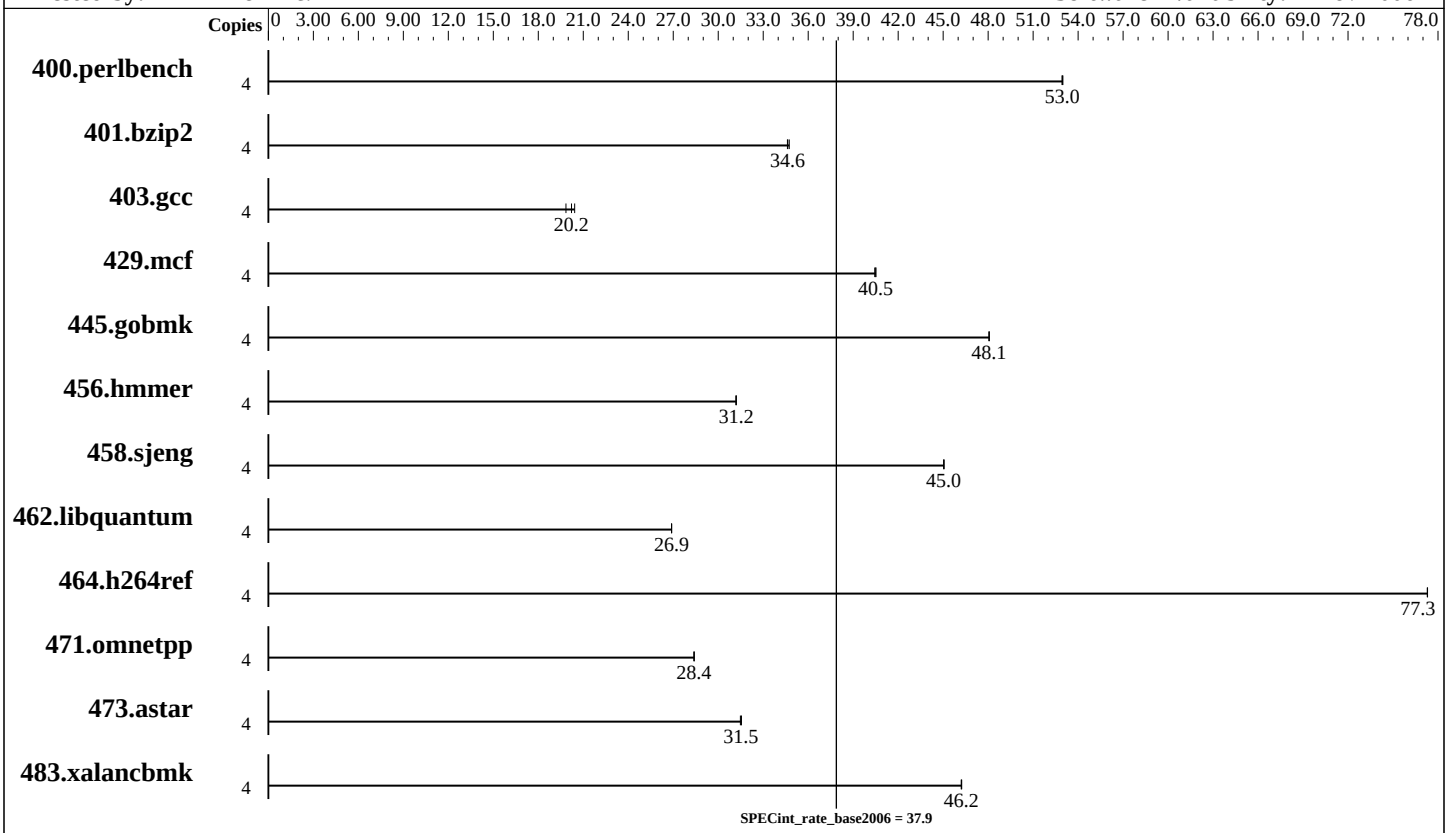
PowerEdge 2900 (Intel Xeon processor 5120, 1.86GHz)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 37.9

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 5120
CPU Characteristics:	1066 MHz Bus Speed
CPU MHz:	1866
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	738	53.0	738	52.9	**738**	**53.0**							
401.bzip2	4	1111	34.7	1115	34.6	**1114**	**34.6**							
403.gcc	4	1623	19.8	1576	20.4	**1593**	**20.2**							
429.mcf	4	900	40.5	902	40.4	**901**	**40.5**							
445.gobmk	4	873	48.1	873	48.1	**873**	**48.1**							
456.hmmer	4	1196	31.2	1197	31.2	**1196**	**31.2**							
458.sjeng	4	1075	45.0	1074	45.1	**1075**	**45.0**							
462.libquantum	4	**3083**	**26.9**	3082	26.9	3083	26.9							
464.h264ref	4	1145	77.3	1145	77.3	**1145**	**77.3**							
471.omnetpp	4	**881**	**28.4**	880	28.4	881	28.4							
473.astar	4	892	31.5	**891**	**31.5**	890	31.5							
483.xalancbmk	4	597	46.2	**597**	**46.2**	597	46.2							

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`

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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