SPEC® CINT2006 Result

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Dell Inc.

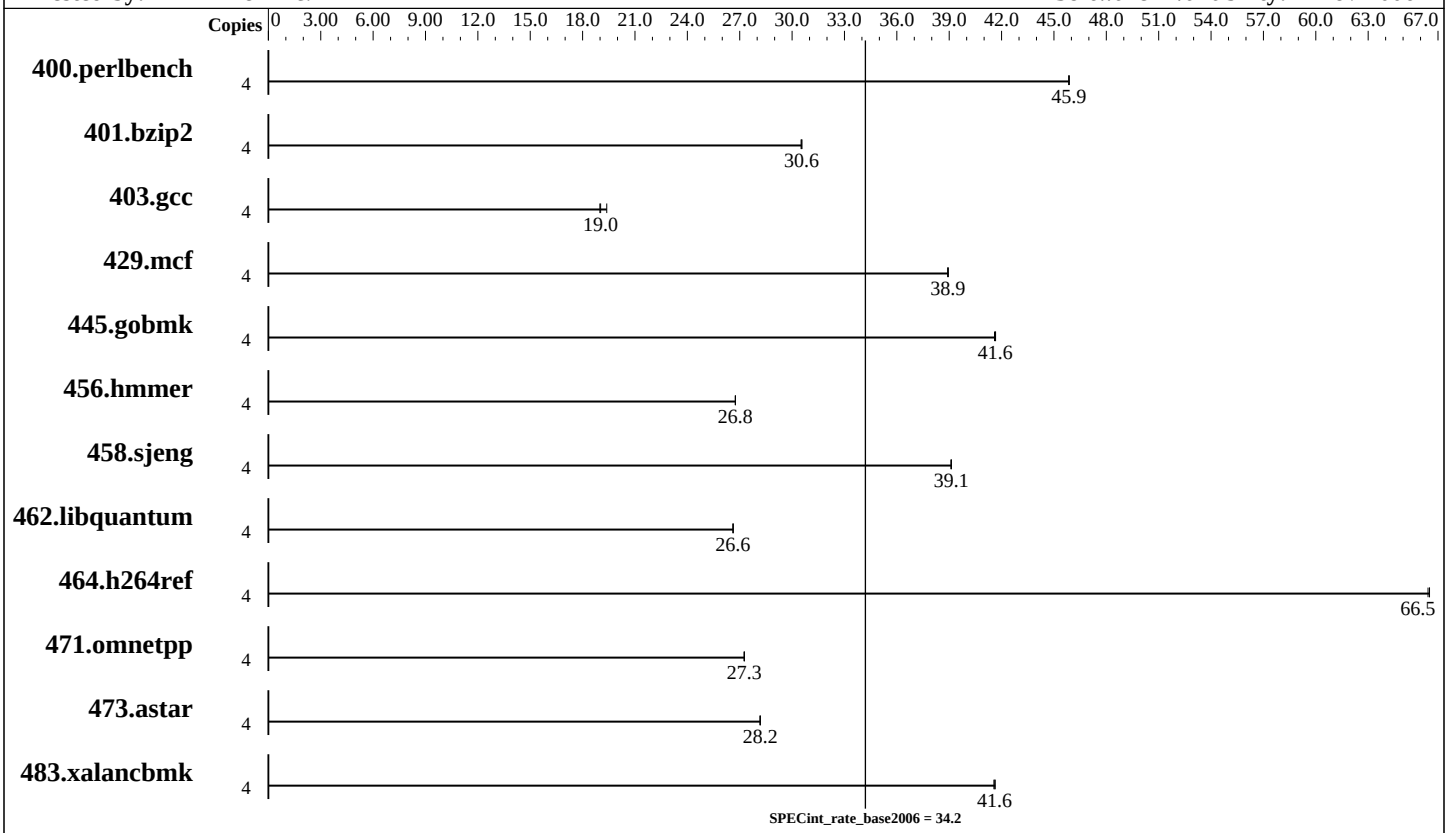
PowerEdge 2900 (Intel Xeon processor 5110, 1.60GHz)

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

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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