SPEC® CINT2006 Result

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Dell Inc.

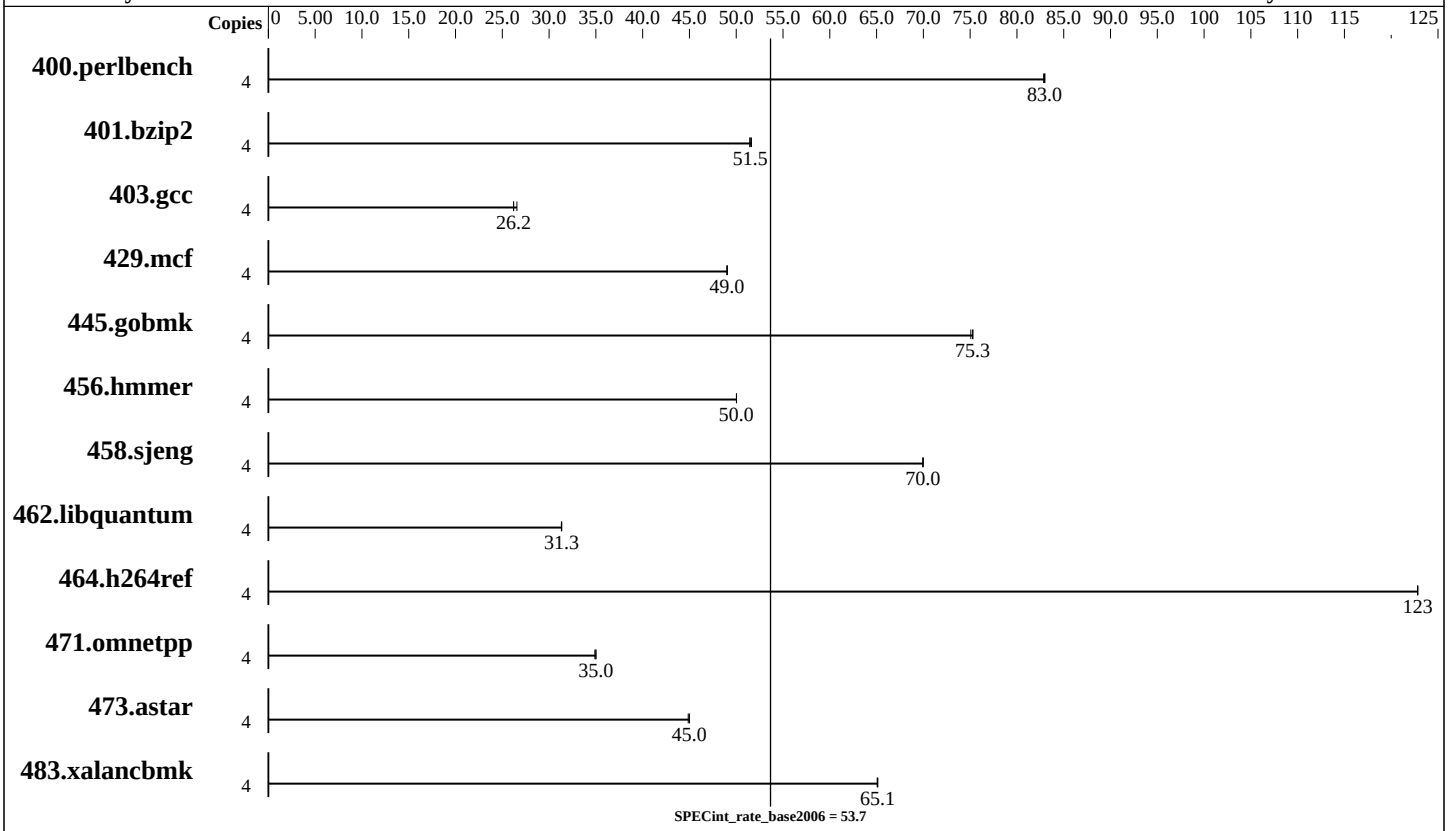
PowerEdge 1950 (Intel Xeon processor 5160, 3.00GHz)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 53.7

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 5160
CPU Characteristics:	1333 MHz Bus Speed
CPU MHz:	3000
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 73GB 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	**471**	**83.0**	471	83.0	472	82.9							
401.bzip2	4	748	51.6	750	51.4	**750**	**51.5**							
403.gcc	4	1212	26.6	1229	26.2	**1228**	**26.2**							
429.mcf	4	**744**	**49.0**	744	49.0	744	49.0							
445.gobmk	4	559	75.1	**557**	**75.3**	557	75.3							
456.hmmer	4	746	50.0	746	50.0	**746**	**50.0**							
458.sjeng	4	692	70.0	692	70.0	**692**	**70.0**							
462.libquantum	4	2647	31.3	**2645**	**31.3**	2644	31.3							
464.h264ref	4	**721**	**123**	721	123	721	123							
471.omnetpp	4	716	34.9	714	35.0	**714**	**35.0**							
473.astar	4	624	45.0	626	44.9	**624**	**45.0**							
483.xalancbmk	4	**424**	**65.1**	424	65.1	424	65.1							

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

Platform Notes

```
Snoop Filter enabled in BIOS
```

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
```

Continued on next page

Base Optimization Flags (Continued)

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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