SPEC® CINT2006 Result

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Dell Inc.

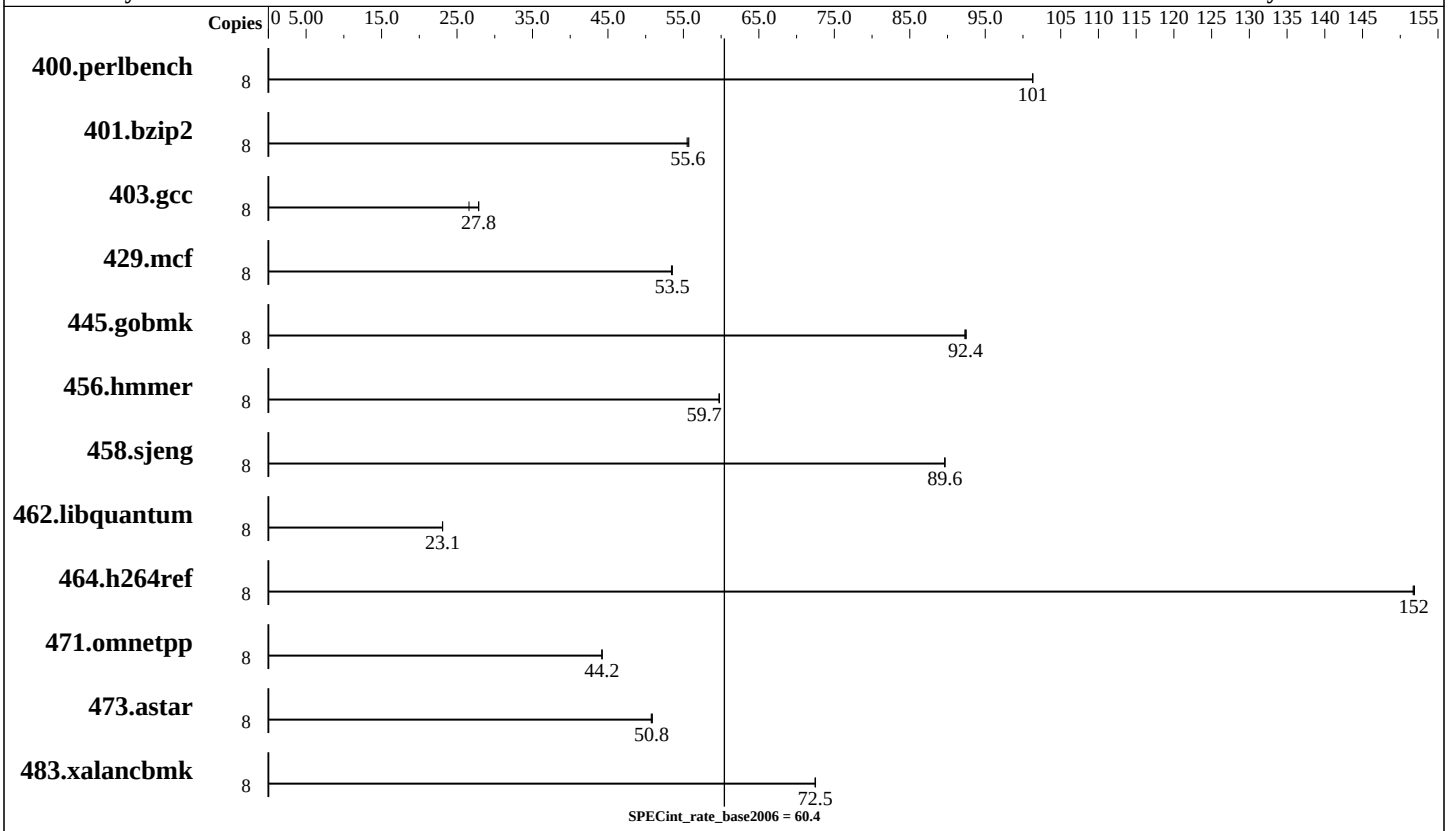
PowerEdge 2900 (Intel Xeon processor E5320, 1.86 GHz)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 60.4

CPU2006 license: 55
Test sponsor: Dell Inc.
Tested by: Dell Inc.

Test date: Mar-2007
Hardware Availability: Dec-2006
Software Availability: Nov-2006



Hardware

CPU Name:	Intel Xeon E5320
CPU Characteristics:	1066 MHz Bus Speed
CPU MHz:	1866
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 4 cores/chip
CPU(s) orderable:	1,2 chips
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	8 MB I+D on chip per chip, 4 MB shared / 2 cores
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	8	772	101	772	101	**772**	**101**							
401.bzip2	8	1391	55.5	1386	55.7	**1388**	**55.6**							
403.gcc	8	**2313**	**27.8**	2422	26.6	2309	27.9							
429.mcf	8	1363	53.5	**1363**	**53.5**	1366	53.4							
445.gobmk	8	907	92.5	909	92.3	**908**	**92.4**							
456.hmmer	8	1249	59.8	**1249**	**59.7**	1249	59.7							
458.sjeng	8	1080	89.6	**1080**	**89.6**	1080	89.7							
462.libquantum	8	7185	23.1	**7181**	**23.1**	7177	23.1							
464.h264ref	8	1166	152	**1166**	**152**	1167	152							
471.omnetpp	8	1131	44.2	1131	44.2	**1131**	**44.2**							
473.astar	8	**1105**	**50.8**	1104	50.9	1107	50.7							
483.xalancbmk	8	762	72.4	**761**	**72.5**	761	72.5							

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

Platform Notes

```
Hardware Prefetcher disabled in BIOS
Adjacent Cache Line Prefetch disabled 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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