SPEC® CINT2006 Result

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Dell Inc.

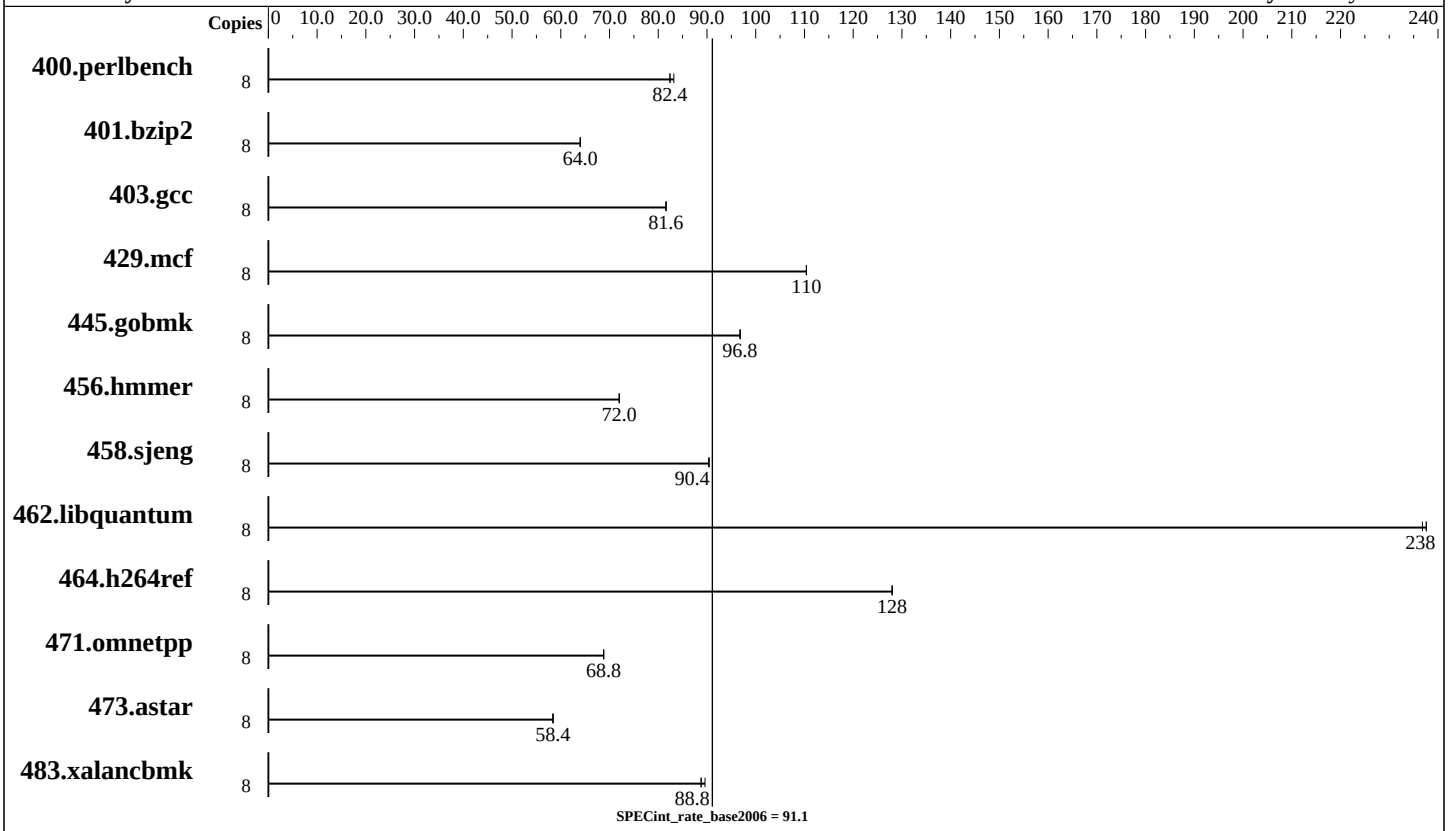
PowerEdge R710 (Intel Xeon E5530, 2.40 GHz)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 91.1

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

Test date: Sep-2009
Hardware Availability: Mar-2009
Software Availability: May-2009



Hardware

CPU Name:	Intel Xeon E5530
CPU Characteristics:	Intel Turbo Boost Technology up to 2.66 GHz
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	4 cores, 1 chip, 4 cores/chip, 2 threads/core
CPU(s) orderable:	1,2 chips
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	256 KB I+D on chip per core
L3 Cache:	8 MB I+D on chip per chip
Other Cache:	None
Memory:	8 GB (2 x 4 GB DDR3-1333 DR RDIMM downclocked to 1066 MHz)
Disk Subsystem:	1 x 73 GB 15000 RPM SAS
Other Hardware:	None

Software

Operating System:	Microsoft Windows Server 2008 Enterprise x64 Edition SP2
Compiler:	Intel C++ Compiler for IA-32, Version 11.0 Build 20090131 Package ID: w_cproc_p_11.0.072 Microsoft Visual Studio 2008 SP1
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	MicroQuill SmartHeap Library 8.1

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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	938	83.2	**945**	**82.4**	946	82.4							
401.bzip2	8	**1204**	**64.0**	1204	64.0	1199	64.0							
403.gcc	8	787	81.6	**788**	**81.6**	792	81.6							
429.mcf	8	660	110	661	110	**660**	**110**							
445.gobmk	8	865	96.8	**865**	**96.8**	865	96.8							
456.hmmer	8	1040	72.0	**1041**	**72.0**	1042	72.0							
458.sjeng	8	1075	90.4	**1075**	**90.4**	1074	90.4							
462.libquantum	8	**698**	**238**	700	237	698	238							
464.h264ref	8	1382	128	1383	128	**1382**	**128**							
471.omnetpp	8	**723**	**68.8**	724	68.8	723	68.8							
473.astar	8	**959**	**58.4**	959	58.4	960	58.4							
483.xalancbmk	8	**619**	**88.8**	619	88.8	618	89.6							

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

General Notes

```
Binaries were built on Windows Vista Business (64-bit)
```

Base Compiler Invocation

C benchmarks:

```
icl -Qvc9 -Qstd=c99
```

C++ benchmarks:

```
icl -Qvc9
```

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:

```
-QxSSE4.2 -Qipo -O3 -Qprec-div- -Qopt-prefetch /F512000000
```

Continued on next page

Base Optimization Flags (Continued)

C++ benchmarks:
```
-QxSSE4.2 -Qipo -O3 -Qprec-div- -Qopt-prefetch -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.flags.ic11.0.win.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/dell.flags.ic11.0.win.xml`

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For other inquiries, please contact webmaster@spec.org.

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