SPEC® CINT2006 Result

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Hewlett-Packard Company

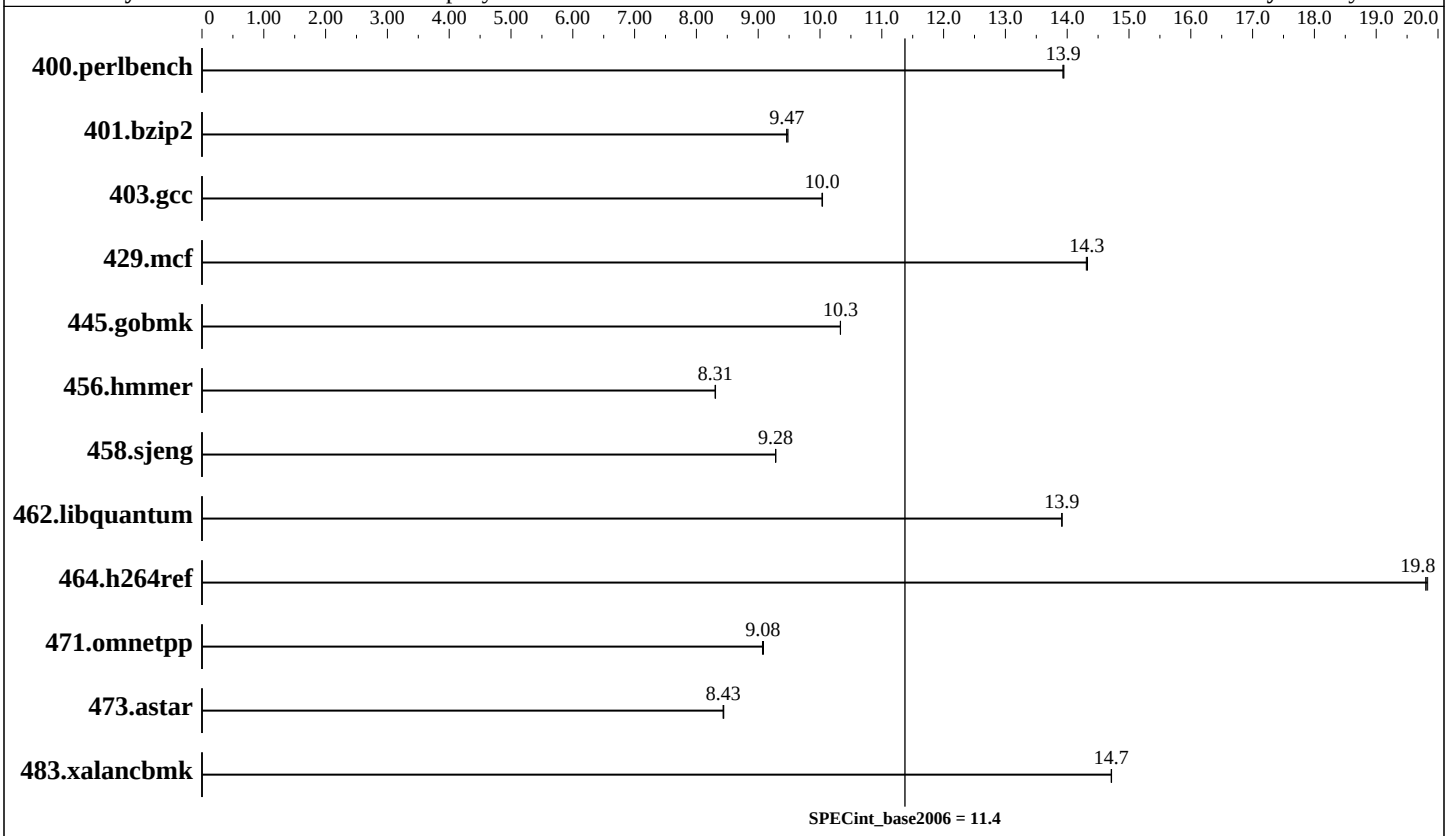
ProLiant DL380 G4 (3.8GHz, Intel Xeon Processor)

SPECint®2006 = --

SPECint_base2006 = 11.4

CPU2006 license: 3
Test sponsor: Hewlett-Packard Company
Tested by: Hewlett-Packard Company

Test date: Apr-2006
Hardware Availability: Sep-2005
Software Availability: May-2006



Hardware

CPU Name:	Intel Xeon
CPU Characteristics:	3.8GHz, 2MB L2, 800MHz bus
CPU MHz:	3800
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip, 2 threads/core
CPU(s) orderable:	1,2 chips
Primary Cache:	12 K micro-ops I + 16 KB D on chip per chip
Secondary Cache:	2 MB I+D on chip per chip
L3 Cache:	None
Other Cache:	None
Memory:	8 GB (4x2 GB PC2-3200)
Disk Subsystem:	146GB 10k U320 SCSI
Other Hardware:	None

Software

Operating System:	Windows Server 2003 Ent, SP1
Compiler:	Intel C++ Compiler 9.1 for 32-bit apps, Build 20060323Z Package ID: W_CC_P_9.1.020 Microsoft Visual Studio .NET 2003 (for libraries) MicroQuill SmartHeap Library 7.4
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	Not Applicable
Other Software:	None

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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	701	13.9	**701**	**13.9**	701	13.9						
401.bzip2	1018	9.48	1020	9.46	**1019**	**9.47**						
403.gcc	802	10.0	**802**	**10.0**	802	10.0						
429.mcf	637	14.3	**637**	**14.3**	637	14.3						
445.gobmk	1015	10.3	**1015**	**10.3**	1016	10.3						
456.hmmer	1123	8.31	**1123**	**8.31**	1123	8.30						
458.sjeng	1303	9.29	1304	9.28	**1304**	**9.28**						
462.libquantum	1489	13.9	**1489**	**13.9**	1489	13.9						
464.h264ref	1116	19.8	1118	19.8	**1117**	**19.8**						
471.omnetpp	688	9.09	**689**	**9.08**	689	9.07						
473.astar	831	8.44	832	8.43	**832**	**8.43**						
483.xalancbmk	469	14.7	469	14.7	**469**	**14.7**						

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

Base Compiler Invocation

C benchmarks:
```
icl -Qvc7.1 -Qc99
```

C++ benchmarks:
```
icl -Qvc7.1
```

Base Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`

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/hp-ic91-flags.20090715.01.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/hp-ic91-flags.20090715.01.xml`

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

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