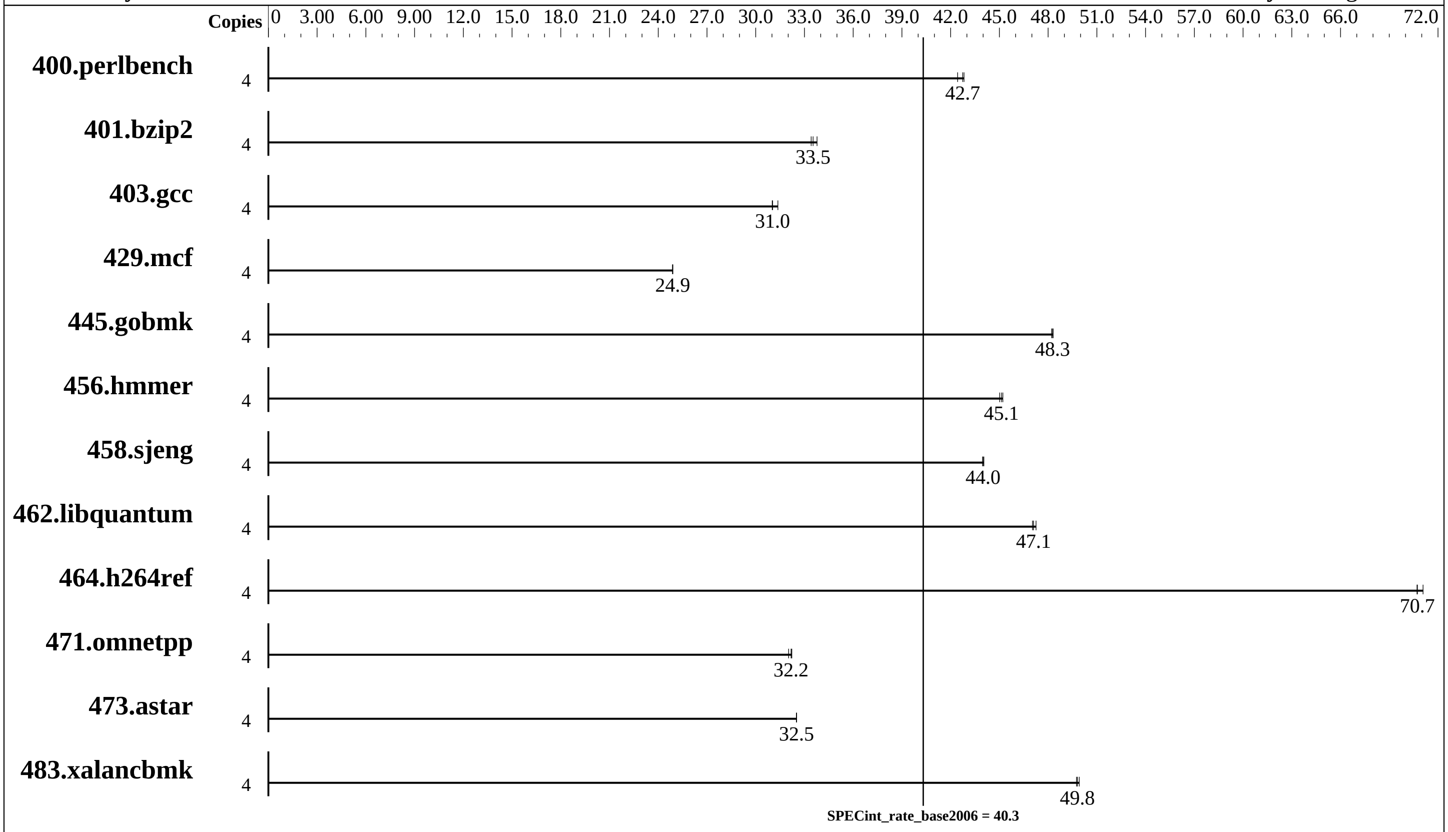
Dell Inc.

PowerEdge 2970 (AMD Opteron 2216, 2.40GHz)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 40.3

CPU2006 license:	55	**Test date:**	Mar-2007
Test sponsor:	Dell Inc.	**Hardware Availability:**	Apr-2007
Tested by:	Dell Inc.	**Software Availability:**	Aug-2006



Hardware

CPU Name:	AMD Opteron 2216
CPU Characteristics:	
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1,2 chips
Primary Cache:	64 KB I + 64 KB D on chip per core
Secondary Cache:	1 MB I+D on chip per core
L3 Cache:	None
Other Cache:	None
Memory:	16 GB (8x2GB, DDR2-667 CL5 ECC Dual Rank)
Disk Subsystem:	SAS, 73 GB
Other Hardware:	None

Software

Operating System:	SuSE Linux Enterprise Server 10 64-bit kernel
Compiler:	QLogic PathScale Compiler Suite, Release 2.5
Auto Parallel:	No
File System:	ReiserFS
System State:	Multi-user, run level 3
Base Pointers:	32/64-bit
Peak Pointers:	Not Applicable
Other Software:	SmartHeap 8.0 32 bit Library for Linux

SPEC CINT2006 Result

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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	921	42.4	913	42.8	**914**	**42.7**							
401.bzip2	4	**1151**	**33.5**	1143	33.8	1155	33.4							
403.gcc	4	1027	31.4	1038	31.0	**1037**	**31.0**							
429.mcf	4	1465	24.9	1466	24.9	**1466**	**24.9**							
445.gobmk	4	869	48.3	**869**	**48.3**	870	48.2							
456.hmmer	4	**827**	**45.1**	825	45.2	829	45.0							
458.sjeng	4	1101	44.0	**1100**	**44.0**	1099	44.0							
462.libquantum	4	1754	47.3	1762	47.0	**1760**	**47.1**							
464.h264ref	4	1245	71.1	**1251**	**70.7**	1252	70.7							
471.omnetpp	4	**777**	**32.2**	776	32.2	781	32.0							
473.astar	4	864	32.5	**864**	**32.5**	864	32.5							
483.xalancbmk	4	**554**	**49.8**	555	49.8	553	49.9							

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

General Notes

```
Taskset utility used to bind CPU(s) to processes
Binaries were built on SuSE Linux Enterprise Server 9 SP3 64-bit
```

Base Compiler Invocation

C benchmarks:
`pathcc`

C++ benchmarks:
`pathCC`

Base Portability Flags

400.perlbench: `-DSPEC_CPU_LP64 -DSPEC_CPU_LINUX_X64`
401.bzip2: `-DSPEC_CPU_LP64`
403.gcc: `-DSPEC_CPU_LP64`
429.mcf: `-DSPEC_CPU_LP64`
445.gobmk: `-DSPEC_CPU_LP64`
456.hmmer: `-DSPEC_CPU_LP64`
458.sjeng: `-DSPEC_CPU_LP64`
462.libquantum: `-DSPEC_CPU_LP64 -DSPEC_CPU_LINUX`
464.h264ref: `-DSPEC_CPU_LP64`
483.xalancbmk: `-DSPEC_CPU_LINUX`

Base Optimization Flags

C benchmarks:
```
-Ofast
```

C++ benchmarks:
```
-Ofast -m32
-L/spec/mpaton/6v1.0/amd512K8.lib/microquill/lib -lsmartheap
```

Base Other Flags

C benchmarks:
```
-IPA:max_jobs=2
```

C++ benchmarks:
```
-IPA:max_jobs=2
```

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.25.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.25.xml

For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.0.
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