SPEC® CINT2006 Result

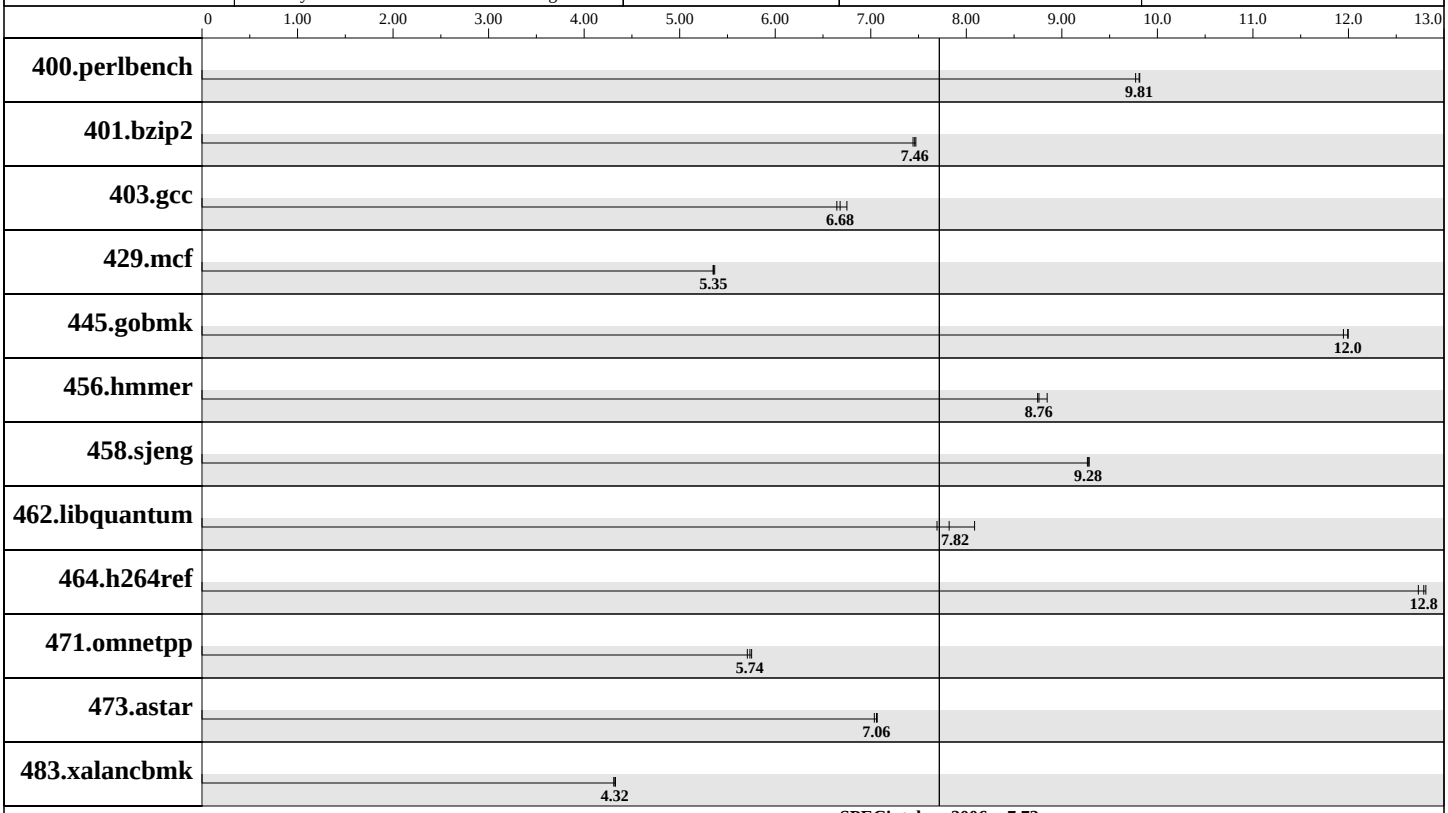
Dual Core AMD Opteron 270 (4 nucleos)

Dual Core AMD Opteron 270

SPECint®2006 = Not Run

SPECint_base2006 = 7.72

CPU2006 license #: 2433	Test sponsor: DPT Comp.Sciences, Univ.Valladolid Tested by: Sergio Aldea	Test date: Nov-2007	Hardware Availability: Oct-2007	Software Availability: Oct-2007



Hardware

CPU Name:	x86_64 Dual Core AMD Opteron 270 AuthenticAMD
CPU Characteristics:	2 GHz, 1066 MHz bus
CPU MHz:	1993
FPU:	Integrated
CPU(s) enabled:	4 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1 chip
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:	4 GB
Disk Subsystem:	
Other Hardware:	--

Software

Operating System:	Gentoo Base System release 1.12.9
Compiler:	gcc , g++ & gfortran 4.1.2 (Gentoo 4.1.2 p1.0.1)
Auto Parallel:	Yes
File System:	ext3
System State:	runlevel 3
Base Pointers:	64-bit
Peak Pointers:	64-bit
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	995	9.82	**996**	**9.81**	1000	9.77						
401.bzip2	**1290**	**7.46**	1300	7.44	1290	7.47						
403.gcc	**1210**	**6.68**	1210	6.64	1190	6.75						
429.mcf	1700	5.37	1700	5.35	**1700**	**5.35**						
445.gobmk	878	11.9	874	12.0	**875**	**12.0**						
456.hmmer	**1070**	**8.76**	1050	8.85	1070	8.75						
458.sjeng	1300	9.29	**1300**	**9.28**	1310	9.27						
462.libquantum	2690	7.69	**2650**	**7.82**	2560	8.09						
464.h264ref	**1730**	**12.8**	1730	12.8	1740	12.7						
471.omnetpp	1090	5.71	**1090**	**5.74**	1090	5.75						
473.astar	998	7.04	**994**	**7.06**	993	7.07						
483.xalancbmk	**1600**	**4.32**	1590	4.33	1600	4.31						

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

General Notes

```
PORTABILITY=-DSPEC_CPU_LP64 is applied to all benchmarks in base.
400.perlbench: -DSPEC_CPU_LINUX_X64
462.libquantum: -DSPEC_CPU_LINUX
C base flags: -O3 -ipo -xW -no-prec-div -axW -funroll-all-loops -parallel
C++ base flags: -O3 -ipo -xW -no-prec-div -axW -funroll-all-loops -parallel
Fortran base flags: -O3 -ipo -xW -no-prec-div -axW -funroll-all-loops -parallel
```

Base Compiler Invocation

C benchmarks:
`icc`

C++ benchmarks:
`icpc`

Base Portability Flags

C benchmarks (except as noted below):
`-DSPEC_CPU_LP64`

400.perlbench: `-DSPEC_CPU_LINUX_X64 -DSPEC_CPU_LP64`

403.gcc: `-DSPEC_CPU_LP64`

462.libquantum: `-DSPEC_CPU_LINUX -DSPEC_CPU_LP64`

Continued on next page

Base Portability Flags (Continued)

C++ benchmarks:

471.omnetpp: `-DSPEC_CPU_LP64`

473.astar: `-DSPEC_CPU_LITTLE_ENDIAN -DSPEC_CPU_LP64`

483.xalancbmk: `-DSPEC_CPU_LINUX -DSPEC_CPU_LP64`

Base Optimization Flags

C benchmarks:

```
-O3 -ipo -parallel -no-prec-div -funroll-all-loops -axW -xW
```

C++ benchmarks:

```
-O3 -ipo -parallel -no-prec-div -funroll-all-loops -axW -xW
```

Base Other Flags

C benchmarks:

```
No flags used
```

C++ benchmarks:

```
No flags used
```