SPEC® CINT2006 Result

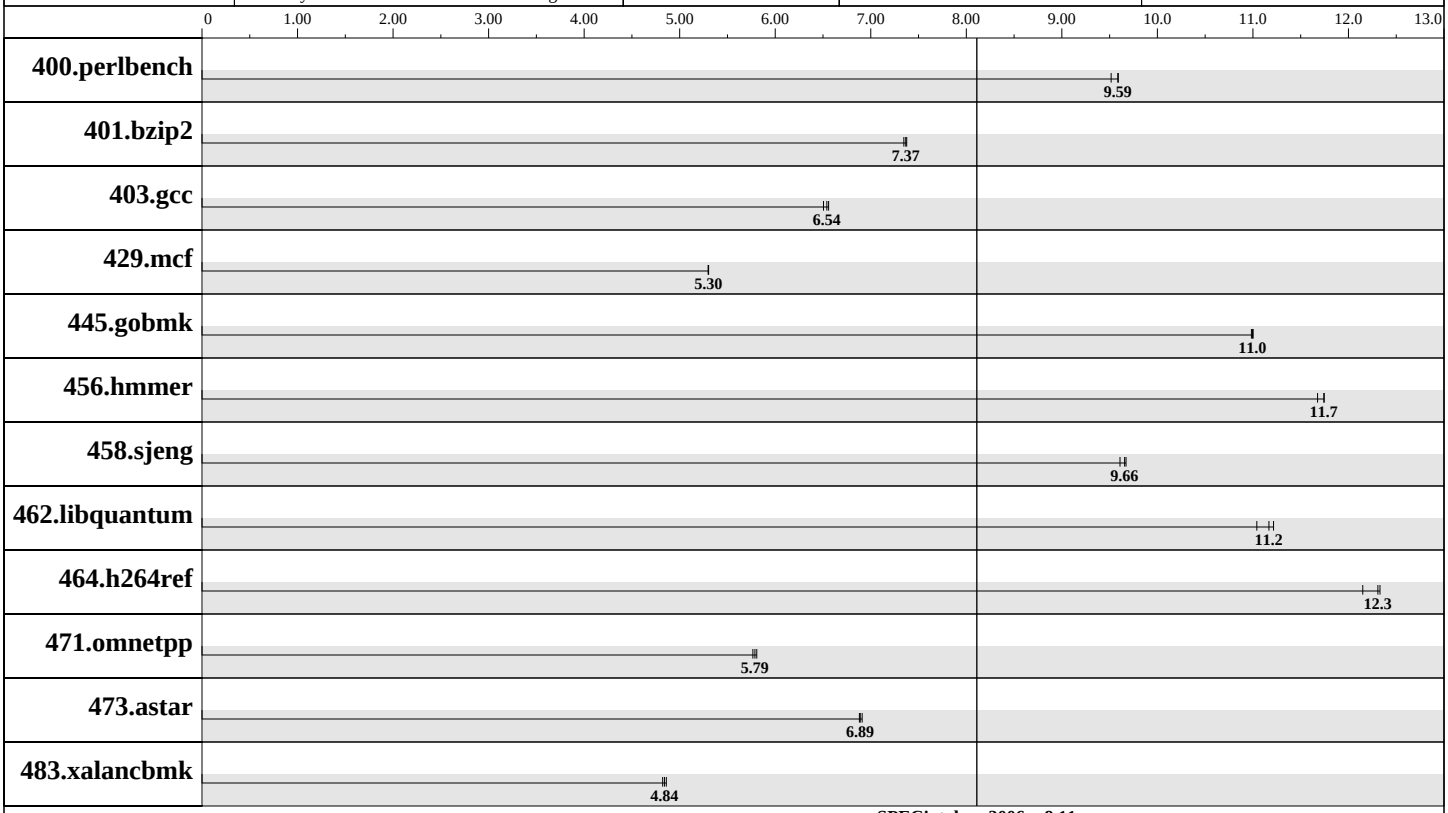
Dual Core AMD Opteron 270 (4 nucleos)

Dual Core AMD Opteron 270

SPECint®2006 = Not Run

SPECint_base2006 = 8.11

CPU2006 license #: 2433	Test sponsor: DPT Comp.Sciences, Univ.Valladolid Tested by: Sergio Aldea	Test date: Feb-2008	Hardware Availability: Oct-2007	Software Availability: Feb-2008



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:	Sun C 5.9 Linux_i386 Patch 124871-01 Sun C++ 5.9 Linux_i386 Patch 124865-01 Sun Fortran 95 8.3 Linux_i386 Patch 127145-01
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	1020	9.59	**1020**	**9.59**	1030	9.52						
401.bzip2	**1310**	**7.37**	1310	7.35	1310	7.38						
403.gcc	1240	6.51	1230	6.56	**1230**	**6.54**						
429.mcf	1720	5.30	**1720**	**5.30**	1720	5.30						
445.gobmk	955	11.0	953	11.0	**954**	**11.0**						
456.hmmer	794	11.7	**795**	**11.7**	799	11.7						
458.sjeng	1260	9.61	1250	9.67	**1250**	**9.66**						
462.libquantum	1880	11.0	**1860**	**11.2**	1850	11.2						
464.h264ref	1820	12.1	1790	12.3	**1800**	**12.3**						
471.omnetpp	1080	5.81	**1080**	**5.79**	1080	5.77						
473.astar	1020	6.91	1020	6.88	**1020**	**6.89**						
483.xalancbmk	**1430**	**4.84**	1430	4.82	1420	4.86						

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: -fast
C++ base flags: -fast -library=stlport4 (except for 453.povray)
Fortran base flags:-fast
```

Base Compiler Invocation

C benchmarks:
`suncc`

C++ benchmarks:
`CC`

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:

```
-fast -xarch=sse3 -m64
```

C++ benchmarks:

```
-fast -library=stlport4 -xarch=sse3 -m64
```

Base Other Flags

C benchmarks:

```
No flags used
```

C++ benchmarks:

```
No flags used
```