SPEC® CINT2006 Result

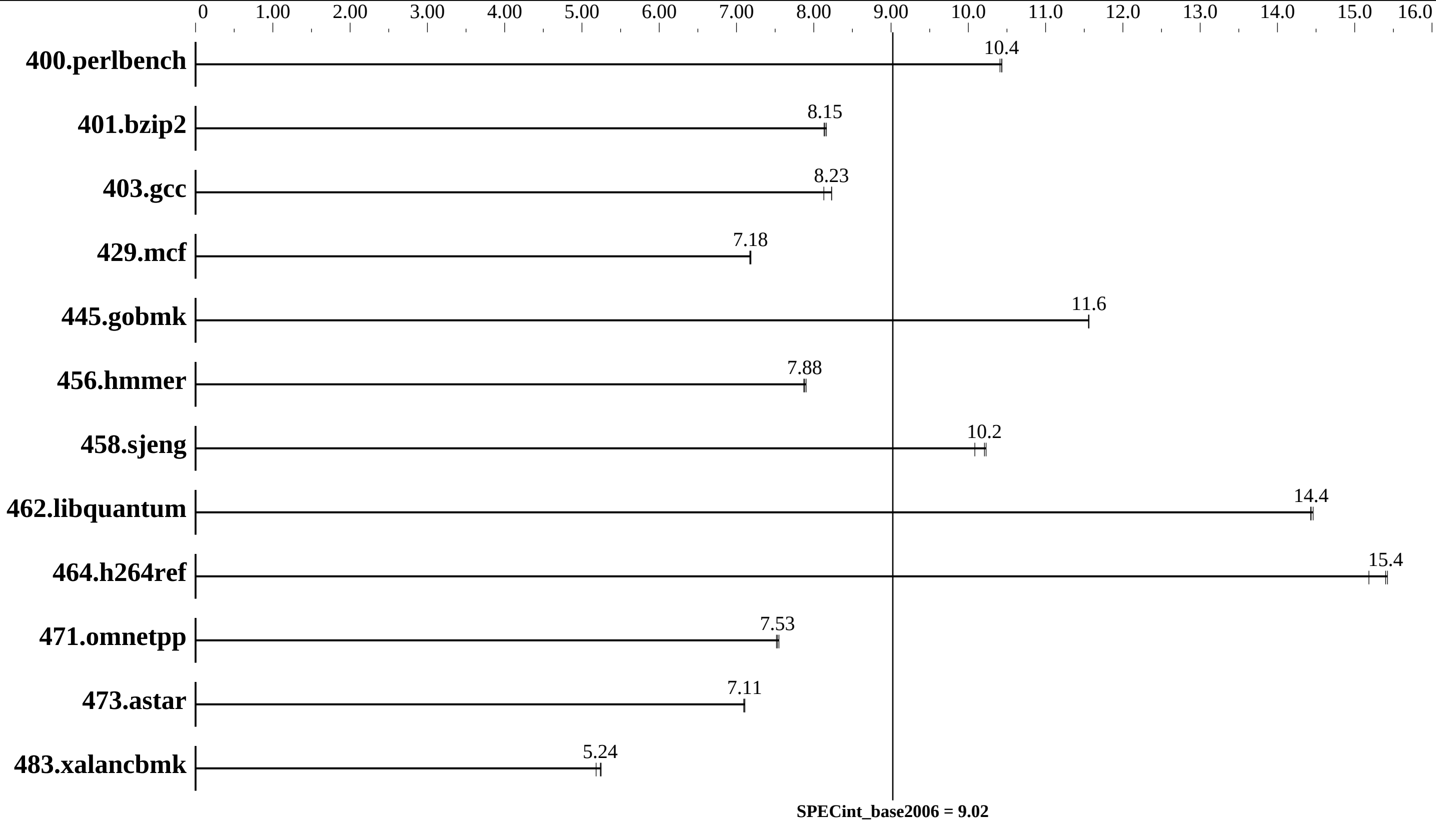
Tyan
(Test Sponsor: Advanced Micro Devices)

Tyan Thunder K8E Tomcat (S2865) (AMD Opteron 146)

SPECint®2006 = --

SPECint_base2006 = 9.02

CPU2006 license: 49		**Test date:**	Apr-2006
Test sponsor:	Advanced Micro Devices	**Hardware Availability:**	Aug-2005
Tested by:	Advanced Micro Devices	**Software Availability:**	Apr-2006



Hardware

CPU Name:	AMD Opteron 146
CPU Characteristics:	
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1 chip
Primary Cache:	64 KB I + 64 KB D on chip per chip
Secondary Cache:	1 MB I+D on chip per chip
L3 Cache:	None
Other Cache:	None
Memory:	2 GB (2 x 1 GB DDR400 CL2)
Disk Subsystem:	250GB SATA
Other Hardware:	None

Software

Operating System:	SUSE Linux 10.1 (for AMD64)
Compiler:	gcc , g++ 4.1.0 (for AMD64)
Auto Parallel:	No
File System:	ext3
System State:	runlevel 3
Base Pointers:	64-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	936	10.4	**937**	**10.4**	939	10.4						
401.bzip2	**1185**	**8.15**	1182	8.16	1186	8.13						
403.gcc	990	8.13	**978**	**8.23**	978	8.23						
429.mcf	1272	7.17	1269	7.19	**1270**	**7.18**						
445.gobmk	**907**	**11.6**	907	11.6	908	11.6						
456.hmmer	**1184**	**7.88**	1181	7.90	1185	7.87						
458.sjeng	**1185**	**10.2**	1200	10.1	1183	10.2						
462.libquantum	**1435**	**14.4**	1433	14.5	1436	14.4						
464.h264ref	1435	15.4	**1437**	**15.4**	1458	15.2						
471.omnetpp	828	7.55	**830**	**7.53**	831	7.52						
473.astar	**988**	**7.11**	988	7.11	990	7.09						
483.xalancbmk	**1317**	**5.24**	1315	5.25	1331	5.18						

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

General Notes

```
Tested by Advanced Micro Devices
 The system can be assembled using an ATX power supply
 such as a Sparkle FSP350-60PN and a case such as a
 Chenbro RM125
```

Base Compiler Invocation

C benchmarks:
`gcc`

C++ benchmarks:
`g++`

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`

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Base Portability Flags (Continued)

464.h264ref: -DSPEC_CPU_LP64
471.omnetpp: -DSPEC_CPU_LP64
473.astar: -DSPEC_CPU_LP64
483.xalancbmk: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX

Base Optimization Flags

C benchmarks:
-O3 -fno-inline-functions -funroll-loops

C++ benchmarks:
-O3 -funroll-loops

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.04.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.04.xml

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

Tested with SPEC CPU2006 v91.
Report generated on Tue Jul 22 09:59:40 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 24 August 2006.