SPEC® CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Itautec

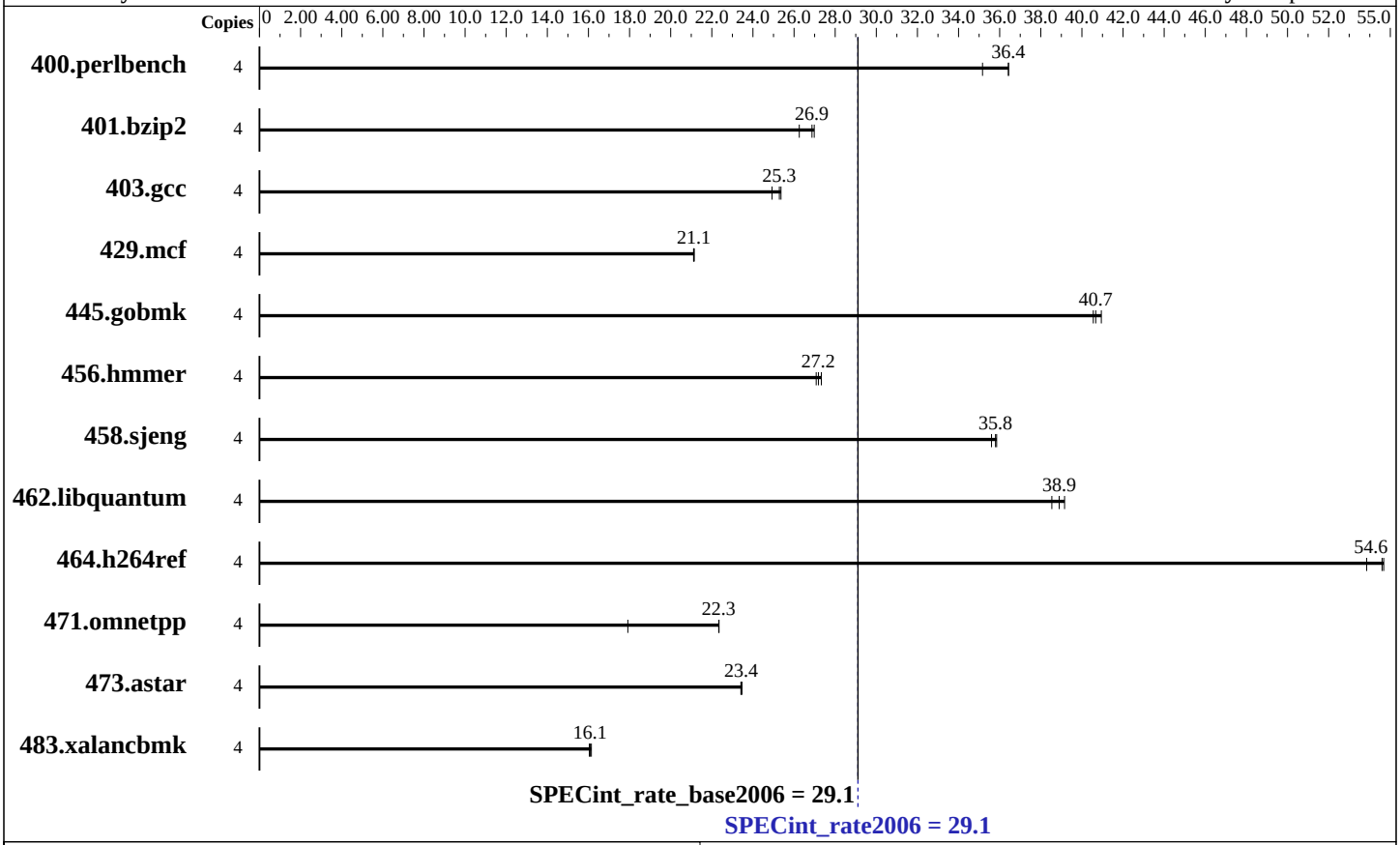
Servidor Itautec MR201 (AMD Opteron 2210)

SPECint®_rate2006 = 29.1

SPECint_rate_base2006 = 29.1

CPU2006 license: 9001
Test sponsor: Itautec
Tested by: Itautec

Test date: Aug-2007
Hardware Availability: Oct-2007
Software Availability: Apr-2006



Hardware

CPU Name:	AMD Opteron 2210
CPU Characteristics:	
CPU MHz:	1800
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 (16x1GB, DDR2-533 CL5 ECC Dual Rank)
Disk Subsystem:	80 GB SATA, 7200RPM
Other Hardware:	None

Software

Operating System:	SUSE SLES10 (for AMD64)
Compiler:	gcc , g++ & gfortran 4.1.0 (for AMD64)
Auto Parallel:	No
File System:	ReiserFS
System State:	runlevel 5
Base Pointers:	64-bit
Peak Pointers:	64-bit
Other Software:	None

SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Itautec

Servidor Itautec MR201 (AMD Opteron 2210)

SPECint_rate2006 = 29.1

SPECint_rate_base2006 = 29.1

CPU2006 license: 9001
Test sponsor: Itautec
Tested by: Itautec

Test date: Aug-2007
Hardware Availability: Oct-2007
Software Availability: Apr-2006

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	4	1111	35.2	1073	36.4	**1073**	**36.4**	4	1111	35.2	1073	36.4	**1073**	**36.4**
401.bzip2	4	1470	26.3	1431	27.0	**1436**	**26.9**	4	1470	26.3	1431	27.0	**1436**	**26.9**
403.gcc	4	1270	25.4	**1273**	**25.3**	1292	24.9	4	1270	25.4	**1273**	**25.3**	1292	24.9
429.mcf	4	1728	21.1	1725	21.1	**1727**	**21.1**	4	1728	21.1	1725	21.1	**1727**	**21.1**
445.gobmk	4	1035	40.6	**1032**	**40.7**	1025	40.9	4	1035	40.6	**1032**	**40.7**	1025	40.9
456.hmmer	4	1378	27.1	1366	27.3	**1373**	**27.2**	4	1378	27.1	1366	27.3	**1373**	**27.2**
458.sjeng	4	**1352**	**35.8**	1359	35.6	1350	35.9	4	**1352**	**35.8**	1359	35.6	1350	35.9
462.libquantum	4	2151	38.5	**2131**	**38.9**	2117	39.2	4	2151	38.5	**2131**	**38.9**	2117	39.2
464.h264ref	4	**1621**	**54.6**	1619	54.7	1644	53.9	4	**1621**	**54.6**	1619	54.7	1644	53.9
471.omnetpp	4	**1119**	**22.3**	1395	17.9	1118	22.4	4	**1119**	**22.3**	1395	17.9	1118	22.4
473.astar	4	1199	23.4	**1198**	**23.4**	1197	23.5	4	1199	23.4	**1198**	**23.4**	1197	23.5
483.xalancbmk	4	1720	16.0	**1716**	**16.1**	1710	16.1	4	1720	16.0	**1716**	**16.1**	1710	16.1

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

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
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`

Peak Optimization Flags

C benchmarks:

400.perlbench: `basepeak = yes`

401.bzip2: `basepeak = yes`

403.gcc: `basepeak = yes`

429.mcf: `basepeak = yes`

445.gobmk: `basepeak = yes`

456.hmmer: `basepeak = yes`

458.sjeng: `basepeak = yes`

462.libquantum: `basepeak = yes`

464.h264ref: `basepeak = yes`

C++ benchmarks:

471.omnetpp: `basepeak = yes`

473.astar: `basepeak = yes`

483.xalancbmk: `basepeak = yes`

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`

Copyright 2006-2014 Standard Performance Evaluation Corporation

Itautec

Servidor Itautec MR201 (AMD Opteron 2210)

SPECint_rate2006 = 29.1

SPECint_rate_base2006 = 29.1

CPU2006 license: 9001
Test sponsor: Itautec
Tested by: Itautec

Test date: Aug-2007
Hardware Availability: Oct-2007
Software Availability: Apr-2006

SPEC and SPECint are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

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

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 13:30:47 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 19 September 2007.