SPEC® CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

ACTION S.A.

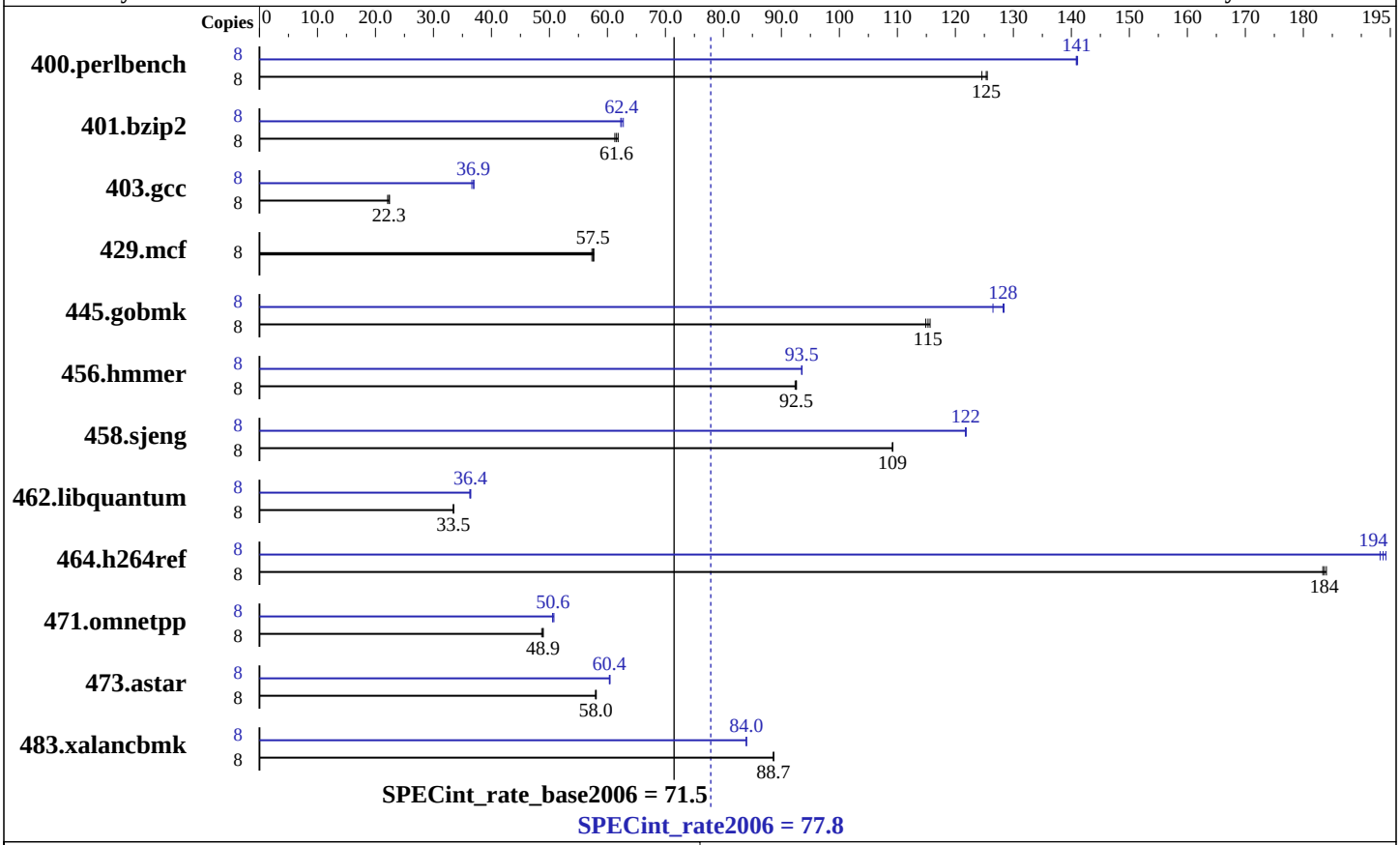
ACTINA SOLAR 442 X3 (Intel Xeon E7330, 2.4 GHz)

SPECint®_rate2006 = 77.8

SPECint_rate_base2006 = 71.5

CPU2006 license: 9008
Test sponsor: ACTION S.A.
Tested by: ACTION S.A.

Test date: Feb-2008
Hardware Availability: Dec-2007
Software Availability: Dec-2007



Hardware

CPU Name:	Intel Xeon E7330
CPU Characteristics:	Quad Core, 2.40 GHz
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 4 cores/chip
CPU(s) orderable:	1,2,4 chips
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	6 MB I+D on chip per chip, 3 MB shared / 2 cores
L3 Cache:	None
Other Cache:	None
Memory:	16 GB (8 x 2 GB 667MHz CL5 DDR2 FB-DIMM SDRAM)
Disk Subsystem:	73 GB SAS 10K
Other Hardware:	None

Software

Operating System:	Windows 2003 Server Enterprise Edition (32-bit) Service Pack 1
Compiler:	Intel C++ Compiler for IA32 version 10.0 Build 20070426 Package ID: W_CC_P_10.0.025 Microsoft Visual Studio .Net 2003 (for libraries)
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	SmartHeap Library Version 8.0

SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

ACTION S.A.

ACTINA SOLAR 442 X3 (Intel Xeon E7330, 2.4 GHz)

SPECint_rate2006 = 77.8

SPECint_rate_base2006 = 71.5

CPU2006 license: 9008
Test sponsor: ACTION S.A.
Tested by: ACTION S.A.

Test date: Feb-2008
Hardware Availability: Dec-2007
Software Availability: Dec-2007

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	8	627	125	**624**	**125**	623	126	8	**555**	**141**	554	141	555	141
401.bzip2	8	1260	61.3	1248	61.8	**1254**	**61.6**	8	**1236**	**62.4**	1239	62.3	1230	62.7
403.gcc	8	2871	22.4	**2886**	**22.3**	2915	22.1	8	1741	37.0	**1745**	**36.9**	1759	36.6
429.mcf	8	1265	57.7	1273	57.3	**1268**	**57.5**	8	1265	57.7	1273	57.3	**1268**	**57.5**
445.gobmk	8	730	115	726	116	**728**	**115**	8	654	128	**654**	**128**	663	126
456.hmmer	8	806	92.6	**806**	**92.5**	808	92.4	8	**798**	**93.5**	798	93.6	798	93.5
458.sjeng	8	887	109	887	109	**887**	**109**	8	794	122	**795**	**122**	795	122
462.libquantum	8	4960	33.4	4953	33.5	**4954**	**33.5**	8	4570	36.3	**4558**	**36.4**	4549	36.4
464.h264ref	8	966	183	**964**	**184**	962	184	8	916	193	911	194	**914**	**194**
471.omnetpp	8	1027	48.7	1022	48.9	**1022**	**48.9**	8	990	50.5	**988**	**50.6**	985	50.8
473.astar	8	967	58.1	**968**	**58.0**	969	57.9	8	**931**	**60.4**	931	60.3	929	60.5
483.xalancbmk	8	**623**	**88.7**	623	88.6	622	88.7	8	**657**	**84.0**	657	84.0	658	83.9

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

General Notes

```
Product description located as of 12/2007:
http://www.actina.pl
Binaries were built on Windows XP Professional SP2

Start command was used to bind processes to CPUs
```

Base Compiler Invocation

C benchmarks:

```
icl -Qvc7.1 -Qc99
```

C++ benchmarks:

```
icl -Qvc7.1
```

Base Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`

Base Optimization Flags

C benchmarks:
```
-fast /F512000000 shlw32m.lib            -link /FORCE:MULTIPLE
```

C++ benchmarks:
```
-fast -Qcxx_features /F512000000 shlw32m.lib
            -link /FORCE:MULTIPLE
```

Base Other Flags

C benchmarks:

403.gcc: `-Dalloca=_alloca`

Peak Compiler Invocation

C benchmarks:
```
icl -Qvc7.1 -Qc99
```

C++ benchmarks:
```
icl -Qvc7.1
```

Peak Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`

Peak Optimization Flags

C benchmarks:

400.perlbench: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qansi-alias -Qprefetch /F512000000 shlw32m.lib -link /FORCE:MULTIPLE`

401.bzip2: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast /F512000000 shlw32m.lib -link /FORCE:MULTIPLE`

403.gcc: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast /F512000000 -link /FORCE:MULTIPLE`

429.mcf: `basepeak = yes`

Continued on next page

Peak Optimization Flags (Continued)

445.gobmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxT -O2 -Qipo -Qprec_div- -Qansi-alias /F512000000 -link /FORCE:MULTIPLE

456.hmmer: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2 -Qansi-alias /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

458.sjeng: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll4 /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

462.libquantum: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll4 -Ob0 -Qprefetch -Qopt-streaming-stores:always /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

464.h264ref: Same as 456.hmmer

C++ benchmarks:
-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias -Qcxx_features /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

Peak Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/Dell-Intel-ic10-ia32.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Dell-Intel-ic10-ia32.xml

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 v1.0.1.
Report generated on Tue Jul 22 16:42:23 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 2 April 2008.