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

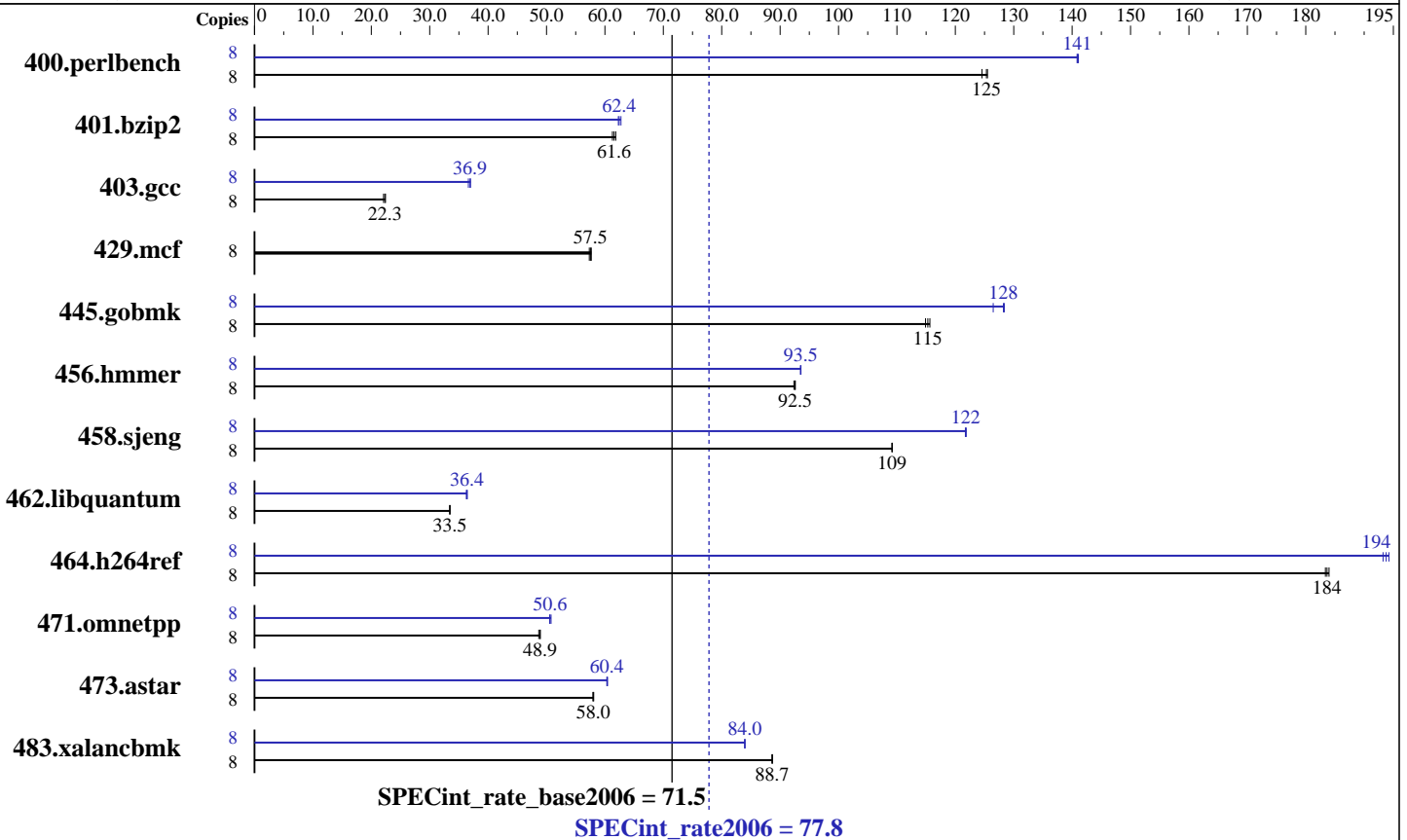**CPU2006 license:** 9008　　　　　　　　　　　　　　　　　　　**Test date:** Feb-2008
Test sponsor: ACTION S.A.　　　　　　　　　　　　　　**Hardware Availability:** Dec-2007
Tested by: ACTION S.A.　　　　　　　　　　　　　　　**Software Availability:** Dec-2007

SPECint_rate_base2006 = 71.5

SPECint_rate2006 = 77.8

400.perlbench	8 / 141	8 / 125
401.bzip2	8 / 62.4	8 / 61.6
403.gcc	8 / 36.9	8 / 22.3
429.mcf		8 / 57.5
445.gobmk	8 / 128	8 / 115
456.hmmer	8 / 93.5	8 / 92.5
458.sjeng	8 / 122	8 / 109
462.libquantum	8 / 36.4	8 / 33.5
464.h264ref	8 / 194	8 / 184
471.omnetpp	8 / 50.6	8 / 48.9
473.astar	8 / 60.4	8 / 58.0
483.xalancbmk	8 / 84.0	8 / 88.7

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
```

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

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

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 date:**	Feb-2008
Test sponsor: ACTION S.A.		**Hardware Availability:**	Dec-2007
Tested by: ACTION S.A.		**Software Availability:**	Dec-2007

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

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.