



SPEC® CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

ACTION S.A.

SPECfp®_rate2006 = Not Run

ACTINA SOLAR E 110 X3 (Intel Xeon X3330, 2.66 GHz)

SPECfp_rate_base2006 = 45.4

CPU2006 license: 9008

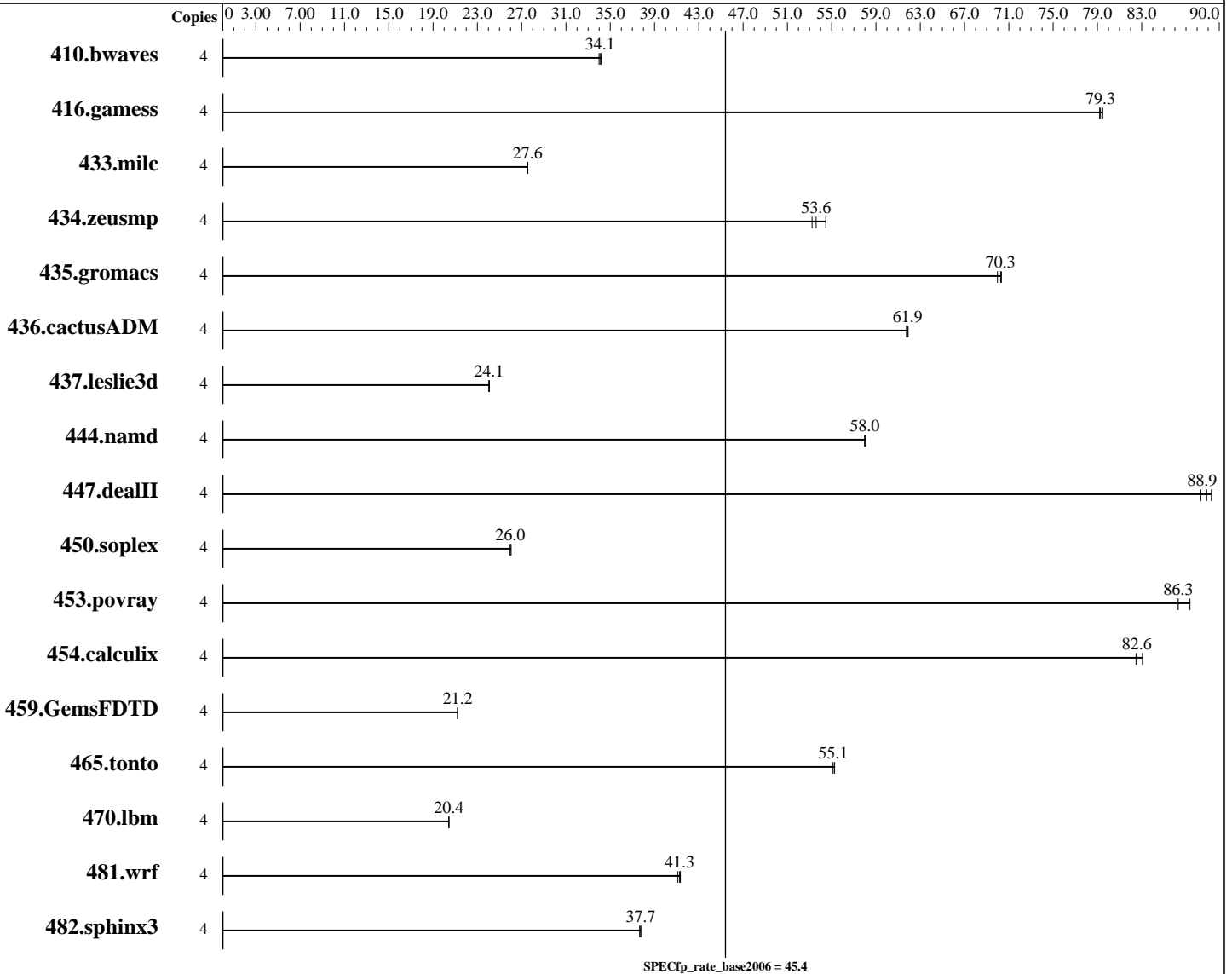
Test date: Nov-2008

Test sponsor: ACTION S.A.

Hardware Availability: Jan-2008

Tested by: ACTION S.A.

Software Availability: Nov-2008



Hardware

CPU Name: Intel Xeon X3330
 CPU Characteristics: 2.66 GHz, 1333 MHz System Bus
 CPU MHz: 2660
 FPU: Integrated
 CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip
 CPU(s) orderable: 1 chip
 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

Continued on next page

Software

Operating System: SuSe Linux Enterprise Server (x86_64) SP2, Kernel 2.6.16.60-0.21-smp
 Compiler: Intel C++ and Fortran Compiler 11.0 for Linux Build 20080730 Package ID: l_cproc_b_11.0.042, l_fproc_b_11.0.042
 Auto Parallel: No
 File System: ReiserFS
 System State: Run level 3 (multi-user)
 Base Pointers: 64-bit

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

ACTION S.A.

SPECfp_rate2006 = Not Run

ACTINA SOLAR E 110 X3 (Intel Xeon X3330, 2.66 GHz)

SPECfp_rate_base2006 = 45.4

CPU2006 license: 9008

Test date: Nov-2008

Test sponsor: ACTION S.A.

Hardware Availability: Jan-2008

Tested by: ACTION S.A.

Software Availability: Nov-2008

L3 Cache: None
Other Cache: None
Memory: 8 GB (4x 2 GB DDR2 ECC, PC-6400)
Disk Subsystem: 1x 500 GB SATA, 7200 RPM
Other Hardware: None

Peak Pointers: Not Applicable
Other Software: Binutils 2.18.50.0.7.20080502

Results Table

| Benchmark | Base | | | | | | | Peak | | | | | | |
|---------------|--------|------------|-------------|-------------|-------------|-------------|-------------|--------|---------|-------|---------|-------|---------|-------|
| | Copies | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Copies | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio |
| 410.bwaves | 4 | 1590 | 34.2 | <u>1595</u> | <u>34.1</u> | 1599 | 34.0 | | | | | | | |
| 416.gamess | 4 | 989 | 79.2 | <u>988</u> | <u>79.3</u> | 985 | 79.5 | | | | | | | |
| 433.milc | 4 | 1332 | 27.6 | <u>1333</u> | <u>27.6</u> | 1333 | 27.6 | | | | | | | |
| 434.zeusmp | 4 | 684 | 53.2 | <u>679</u> | <u>53.6</u> | 668 | 54.5 | | | | | | | |
| 435.gromacs | 4 | <u>407</u> | <u>70.3</u> | 408 | 70.0 | 406 | 70.3 | | | | | | | |
| 436.cactusADM | 4 | 772 | 61.9 | <u>773</u> | <u>61.9</u> | 774 | 61.7 | | | | | | | |
| 437.leslie3d | 4 | 1561 | 24.1 | 1565 | 24.0 | <u>1562</u> | <u>24.1</u> | | | | | | | |
| 444.namd | 4 | 553 | 58.0 | <u>553</u> | <u>58.0</u> | 553 | 58.1 | | | | | | | |
| 447.dealII | 4 | 512 | 89.3 | 518 | 88.3 | <u>515</u> | <u>88.9</u> | | | | | | | |
| 450.soplex | 4 | 1281 | 26.1 | 1287 | 25.9 | <u>1284</u> | <u>26.0</u> | | | | | | | |
| 453.povray | 4 | 247 | 86.2 | <u>247</u> | <u>86.3</u> | 244 | 87.4 | | | | | | | |
| 454.calculix | 4 | <u>400</u> | <u>82.6</u> | 397 | 83.1 | 400 | 82.5 | | | | | | | |
| 459.GemsFDTD | 4 | 1999 | 21.2 | 2000 | 21.2 | <u>2000</u> | <u>21.2</u> | | | | | | | |
| 465.tonto | 4 | 712 | 55.3 | <u>714</u> | <u>55.1</u> | 715 | 55.1 | | | | | | | |
| 470.lbm | 4 | 2691 | 20.4 | 2691 | 20.4 | <u>2691</u> | <u>20.4</u> | | | | | | | |
| 481.wrf | 4 | 1081 | 41.3 | 1087 | 41.1 | <u>1083</u> | <u>41.3</u> | | | | | | | |
| 482.sphinx3 | 4 | 2065 | 37.8 | 2070 | 37.7 | <u>2066</u> | <u>37.7</u> | | | | | | | |

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

Submit Notes

The config file option 'submit' was used.

General Notes

'taskset' command was used to bind processes to CPUs.

Base Compiler Invocation

C benchmarks:
icc

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

ACTION S.A.

SPECfp_rate2006 = Not Run

ACTINA SOLAR E 110 X3 (Intel Xeon X3330, 2.66 GHz)

SPECfp_rate_base2006 = 45.4

CPU2006 license: 9008

Test date: Nov-2008

Test sponsor: ACTION S.A.

Hardware Availability: Jan-2008

Tested by: ACTION S.A.

Software Availability: Nov-2008

Base Compiler Invocation (Continued)

C++ benchmarks:
icpc

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
icc ifort

Base Portability Flags

```

410.bwaves: -DSPEC_CPU_LP64
416.gamess: -DSPEC_CPU_LP64
433.milc: -DSPEC_CPU_LP64
434.zeusmp: -DSPEC_CPU_LP64
435.gromacs: -DSPEC_CPU_LP64 -nofor_main
436.cactusADM: -DSPEC_CPU_LP64 -nofor_main
437.leslie3d: -DSPEC_CPU_LP64
444.namd: -DSPEC_CPU_LP64
447.dealII: -DSPEC_CPU_LP64
450.soplex: -DSPEC_CPU_LP64
453.povray: -DSPEC_CPU_LP64
454.calculix: -DSPEC_CPU_LP64 -nofor_main
459.GemsFDTD: -DSPEC_CPU_LP64
465.tonto: -DSPEC_CPU_LP64
470.lbm: -DSPEC_CPU_LP64
481.wrf: -DSPEC_CPU_LP64 -DSPEC_CPU_CASE_FLAG -DSPEC_CPU_LINUX
482.sphinx3: -DSPEC_CPU_LP64

```

Base Optimization Flags

```

C benchmarks:
-xSSE4.1 -ipo -O3 -no-prec-div -static -opt-prefetch

C++ benchmarks:
-xSSE4.1 -ipo -O3 -no-prec-div -static -opt-prefetch

Fortran benchmarks:
-xSSE4.1 -ipo -O3 -no-prec-div -static -opt-prefetch

Benchmarks using both Fortran and C:
-xSSE4.1 -ipo -O3 -no-prec-div -static -opt-prefetch

```



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

ACTION S.A.

SPECfp_rate2006 = Not Run

ACTINA SOLAR E 110 X3 (Intel Xeon X3330, 2.66 GHz)

SPECfp_rate_base2006 = 45.4

CPU2006 license: 9008

Test date: Nov-2008

Test sponsor: ACTION S.A.

Hardware Availability: Jan-2008

Tested by: ACTION S.A.

Software Availability: Nov-2008

The flags file that was used to format this result can be browsed at

<http://www.spec.org/cpu2006/flags/Intel-ic11.0-fp-linux64-revA.20090713.02.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/Intel-ic11.0-fp-linux64-revA.20090713.02.xml>

SPEC and SPECfp 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 v1.1.
Report generated on Tue Jul 22 22:22:51 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 19 December 2008.