



SPEC[®] CFP2006 Result

Copyright 2006-2009 Standard Performance Evaluation Corporation

ACTION S.A.

SPECfp[®]_rate2006 = Not Run

ACTINA SOLAR 200 X3 (Intel Xeon E5504)

SPECfp_rate_base2006 = 57.1

CPU2006 license: 9008

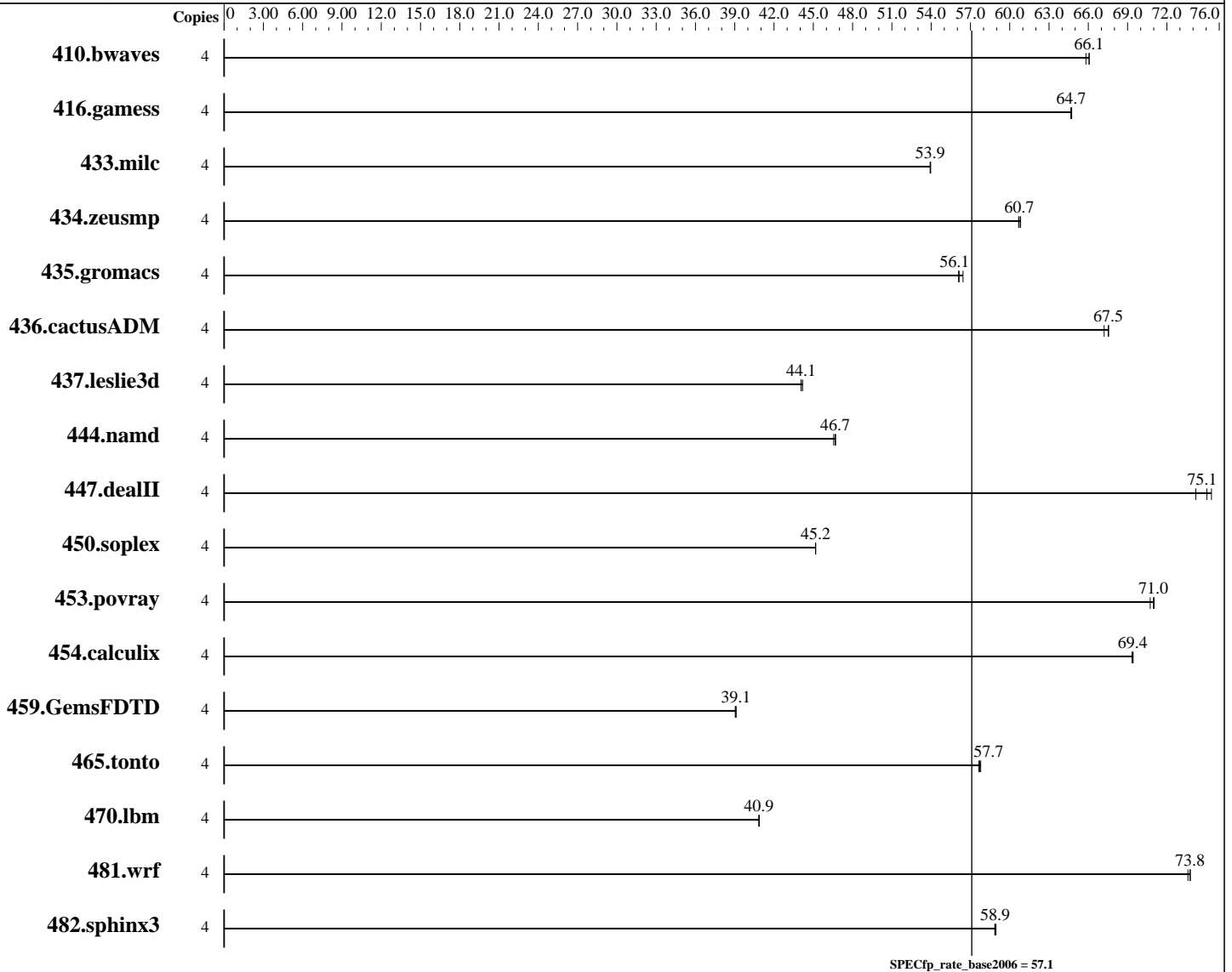
Test sponsor: ACTION S.A.

Tested by: ACTION S.A.

Test date: Jul-2009

Hardware Availability: Apr-2009

Software Availability: Feb-2009



Hardware

CPU Name: Intel Xeon E5504
 CPU Characteristics:
 CPU MHz: 2000
 FPU: Integrated
 CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip
 CPU(s) orderable: 1,2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 256 KB I+D on chip per core

Continued on next page

Software

Operating System: SuSe Linux Enterprise Server 10 (x86_64) with SP2, kernel 2.6.16.60-0.21-smp
 Compiler: Intel C++ and Fortran Compiler 11.0 for Linux Build 20080930 Package ID: l_cproc_p_11.0.066, l_fproc_p_11.0.066
 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 2006-2009 Standard Performance Evaluation Corporation

ACTION S.A.

SPECfp_rate2006 = Not Run

ACTINA SOLAR 200 X3 (Intel Xeon E5504)

SPECfp_rate_base2006 = 57.1

CPU2006 license: 9008

Test date: Jul-2009

Test sponsor: ACTION S.A.

Hardware Availability: Apr-2009

Tested by: ACTION S.A.

Software Availability: Feb-2009

Hardware (Continued)

Software (Continued)

L3 Cache: 4 MB I+D on chip per chip
 Other Cache: None
 Memory: 24 GB (6 x 4 GB DDR3, 1066 MHz, Reg. ECC, running at 800)
 Disk Subsystem: 147 GB SAS, 10000 RPM
 Other Hardware: None

Peak Pointers: 32/64-bit
 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	826	65.8	823	66.1	823	66.1							
416.gamess	4	1211	64.7	1210	64.7	1211	64.7							
433.milc	4	681	53.9	681	53.9	680	54.0							
434.zeusmp	4	598	60.8	599	60.7	600	60.7							
435.gromacs	4	509	56.1	506	56.4	509	56.1							
436.cactusADM	4	711	67.2	708	67.5	708	67.6							
437.leslie3d	4	853	44.1	851	44.2	853	44.1							
444.namd	4	687	46.7	687	46.7	689	46.6							
447.dealII	4	607	75.4	610	75.1	617	74.2							
450.soplex	4	738	45.2	738	45.2	739	45.2							
453.povray	4	300	71.0	301	70.7	300	71.0							
454.calculix	4	475	69.4	476	69.3	476	69.4							
459.GemsFDTD	4	1085	39.1	1087	39.0	1086	39.1							
465.tonto	4	681	57.8	683	57.6	682	57.7							
470.lbm	4	1345	40.9	1345	40.9	1345	40.9							
481.wrf	4	607	73.6	606	73.8	605	73.8							
482.sphinx3	4	1322	59.0	1324	58.9	1324	58.9							

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

'numactl' was used to bind copies to the cores
 'ulimit -s unlimited' was used to set the stacksize to unlimited prior to run



SPEC CFP2006 Result

Copyright 2006-2009 Standard Performance Evaluation Corporation

ACTION S.A.

SPECfp_rate2006 = Not Run

ACTINA SOLAR 200 X3 (Intel Xeon E5504)

SPECfp_rate_base2006 = 57.1

CPU2006 license: 9008

Test date: Jul-2009

Test sponsor: ACTION S.A.

Hardware Availability: Apr-2009

Tested by: ACTION S.A.

Software Availability: Feb-2009

Base Compiler Invocation

C benchmarks:

icc

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:

-xSSE4.2 -ipo -O3 -no-prec-div -static

C++ benchmarks:

-xSSE4.2 -ipo -O3 -no-prec-div -static

Fortran benchmarks:

-xSSE4.2 -ipo -O3 -no-prec-div -static

Benchmarks using both Fortran and C:

-xSSE4.2 -ipo -O3 -no-prec-div -static



SPEC CFP2006 Result

Copyright 2006-2009 Standard Performance Evaluation Corporation

ACTION S.A.

SPECfp_rate2006 = Not Run

ACTINA SOLAR 200 X3 (Intel Xeon E5504)

SPECfp_rate_base2006 = 57.1

CPU2006 license: 9008

Test date: Jul-2009

Test sponsor: ACTION S.A.

Hardware Availability: Apr-2009

Tested by: ACTION S.A.

Software Availability: Feb-2009

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.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.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 Aug 18 15:44:44 2009 by SPEC CPU2006 PS/PDF formatter v6323.