SPEC® CFP2006 Result

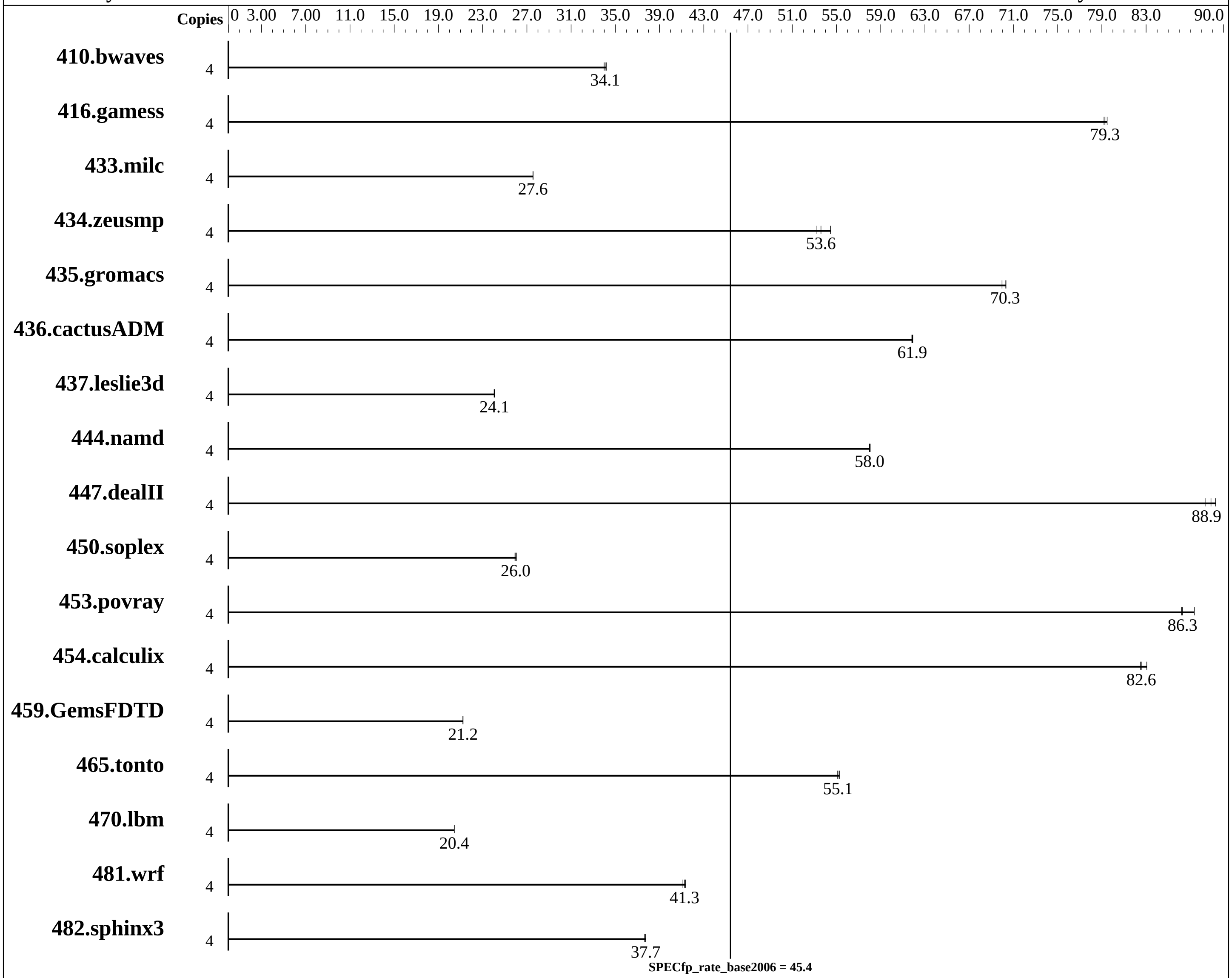
ACTION S.A.

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

SPECfp®_rate2006 = Not Run

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

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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

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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

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

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`

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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`

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

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

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