SPEC® CFP2006 Result

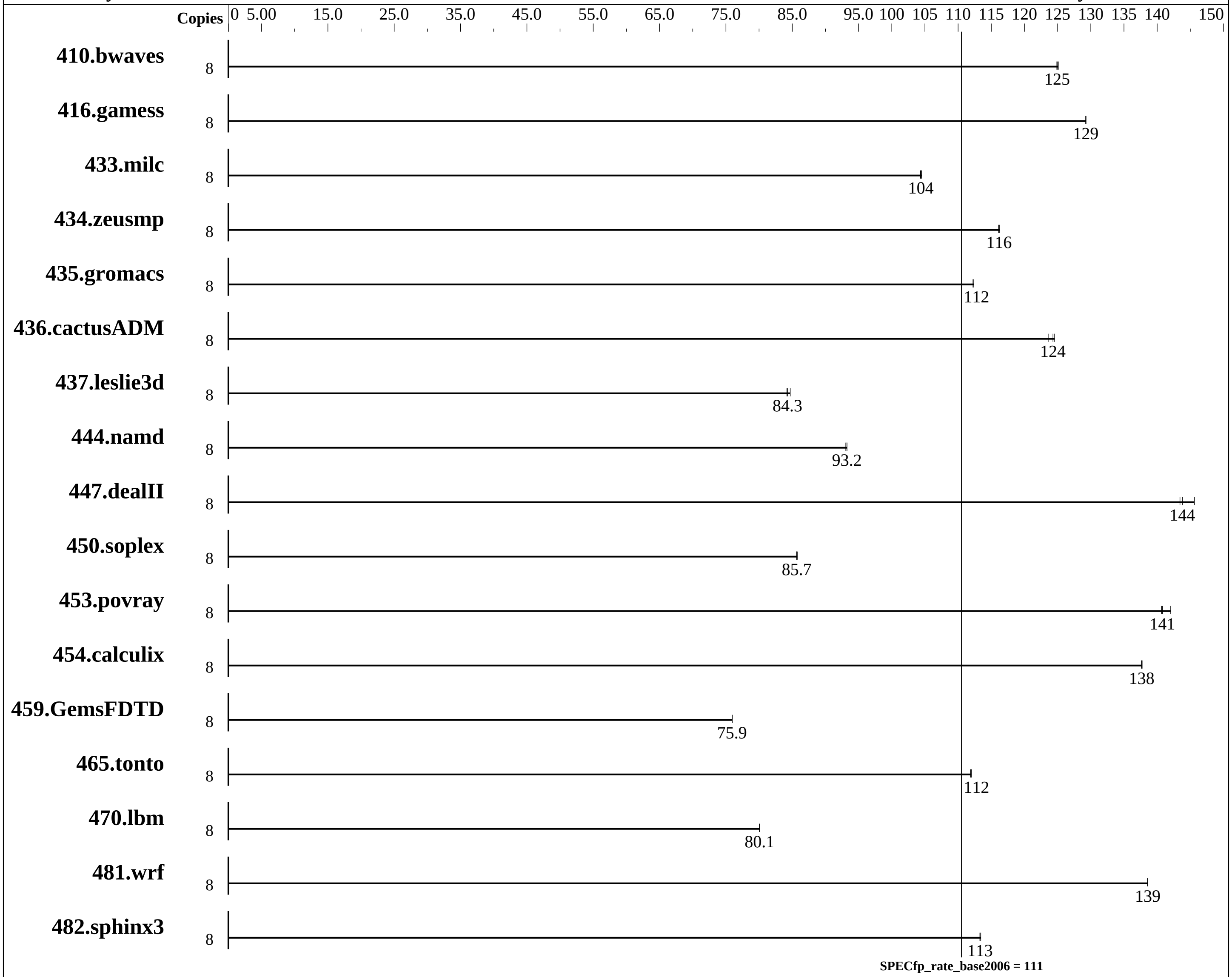
ACTION S.A.

ACTINA SOLAR 200 X3 (Intel Xeon E5504)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 111

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

CPU Name:	Intel Xeon E5504
CPU Characteristics:	
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 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

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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

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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, 15000 RPM
Other Hardware:	None

Peak Pointers:	32/64-bit
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	8	**870**	**125**	869	125	871	125							
416.gamess	8	**1212**	**129**	1212	129	1212	129							
433.milc	8	703	104	**704**	**104**	704	104							
434.zeusmp	8	626	116	627	116	**627**	**116**							
435.gromacs	8	**508**	**112**	508	112	509	112							
436.cactusADM	8	768	125	773	124	**769**	**124**							
437.leslie3d	8	888	84.7	**892**	**84.3**	893	84.2							
444.namd	8	688	93.2	689	93.1	**688**	**93.2**							
447.dealII	8	**636**	**144**	629	146	638	143							
450.soplex	8	779	85.7	778	85.8	**779**	**85.7**							
453.povray	8	**302**	**141**	300	142	303	141							
454.calculix	8	479	138	480	138	**479**	**138**							
459.GemsFDTD	8	**1118**	**75.9**	1118	75.9	1117	76.0							
465.tonto	8	**703**	**112**	704	112	703	112							
470.lbm	8	1373	80.0	1372	80.1	**1373**	**80.1**							
481.wrf	8	645	139	**645**	**139**	645	139							
482.sphinx3	8	1375	113	**1376**	**113**	1376	113							

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
```

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:
-xSSE4.2 -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

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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

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

Tested with SPEC CPU2006 v1.1.
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