SPEC® CFP2006 Result

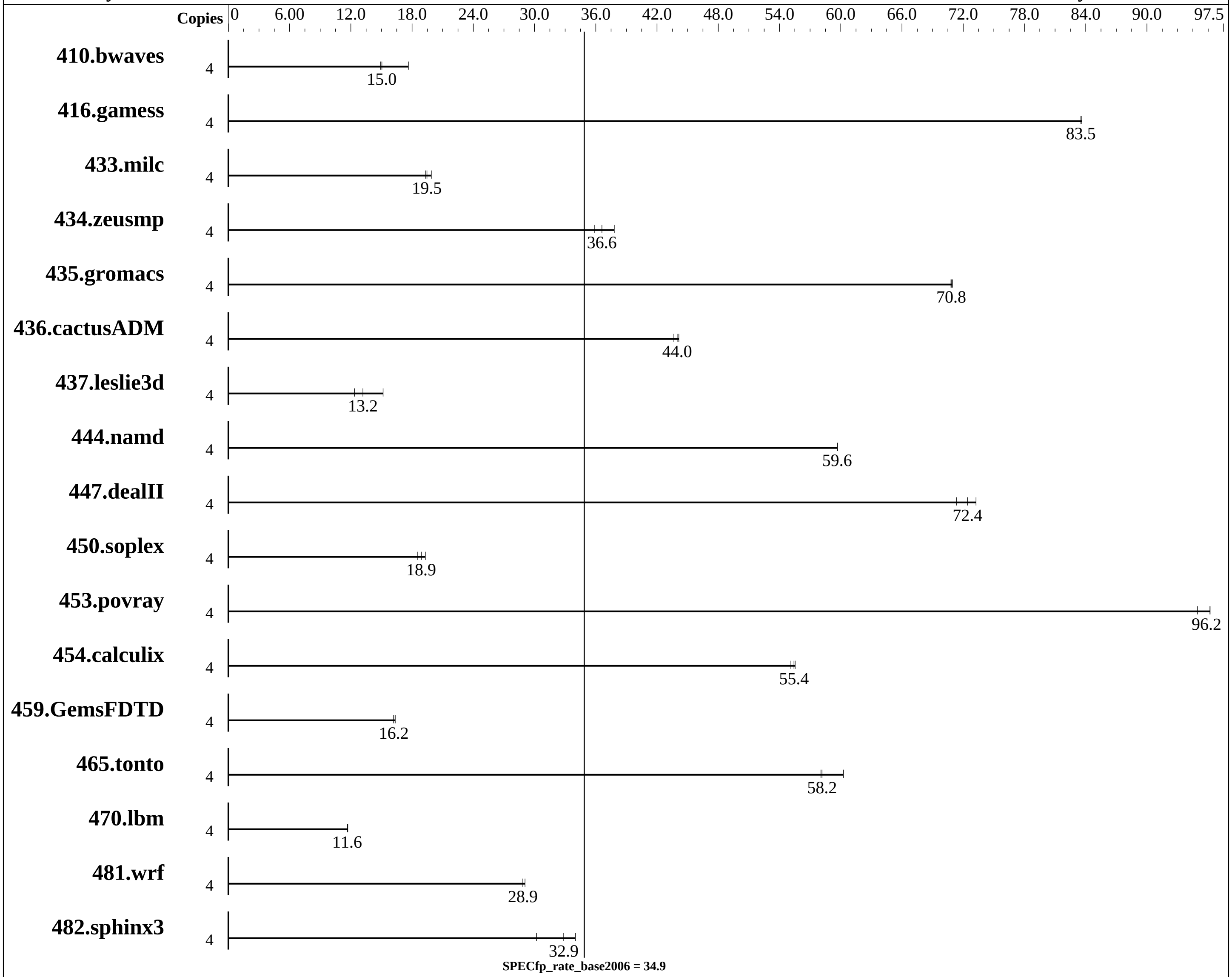
Itautec

Servidor Itautec LX211 (Intel Xeon E5410)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 34.9

CPU2006 license:	9001	**Test date:**	Mar-2008
Test sponsor:	Itautec	**Hardware Availability:**	Dec-2007
Tested by:	Itautec	**Software Availability:**	Nov-2007



Hardware

CPU Name:	Intel Xeon E5410
CPU Characteristics:	
CPU MHz:	2330
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:	12 MB I+D on chip per chip, 6 MB shared / 2 cores

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Software

Operating System:	SUSE Linux Enterprise Server 10 (x86_64) SP1, Kernel 2.6.16.46-0.12-smp
Compiler:	Intel C++ and Fortran Compiler 10.1 for Linux Build 20070913 Package ID: l_cc_p_10.1.008, l_fc_p_10.1.008
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: 12 GB (6 * 2 GB PC2-5300 FBDIMM, CL-5-5-5, ECC)
Disk Subsystem: 1 x SCSI, 73GB, 10000 RPM
Other Hardware: None

Peak Pointers: Not Applicable
Other Software: Binutils 2.17.10.50

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	4	3082	17.6	**3614**	**15.0**	3650	14.9							
416.gamess	4	**938**	**83.5**	938	83.5	937	83.6							
433.milc	4	1846	19.9	1902	19.3	**1887**	**19.5**							
434.zeusmp	4	963	37.8	1014	35.9	**995**	**36.6**							
435.gromacs	4	403	70.9	403	70.8	**403**	**70.8**							
436.cactusADM	4	1095	43.7	1083	44.1	**1087**	**44.0**							
437.leslie3d	4	2480	15.2	3043	12.4	**2851**	**13.2**							
444.namd	4	538	59.6	538	59.7	**538**	**59.6**							
447.dealII	4	625	73.3	**632**	**72.4**	641	71.3							
450.soplex	4	1728	19.3	1798	18.6	**1765**	**18.9**							
453.povray	4	221	96.2	**221**	**96.2**	224	95.0							
454.calculix	4	599	55.1	**595**	**55.4**	594	55.5							
459.GemsFDTD	4	2596	16.4	2620	16.2	**2617**	**16.2**							
465.tonto	4	653	60.3	678	58.1	**677**	**58.2**							
470.lbm	4	4723	11.6	**4722**	**11.6**	4696	11.7							
481.wrf	4	1548	28.9	1537	29.1	**1548**	**28.9**							
482.sphinx3	4	2581	30.2	**2373**	**32.9**	2293	34.0							

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

Operating System Notes

```
'ulimit -s unlimited' was used to set the stacksize to unlimited prior to run.
'/usr/bin/taskset' used to bind benchmark copies to processors.
```

Platform Notes

```
BIOS configuration:
Hardware Prefetch Disabled
```

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:
`-fast`

C++ benchmarks:
`-fast`

Fortran benchmarks:
`-fast`

Benchmarks using both Fortran and C:
`-fast`

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/Itautec-ic10.1-FP-intel64-linux-flags.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Itautec-ic10.1-FP-intel64-linux-flags.xml

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

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