SPEC® CFP2006 Result

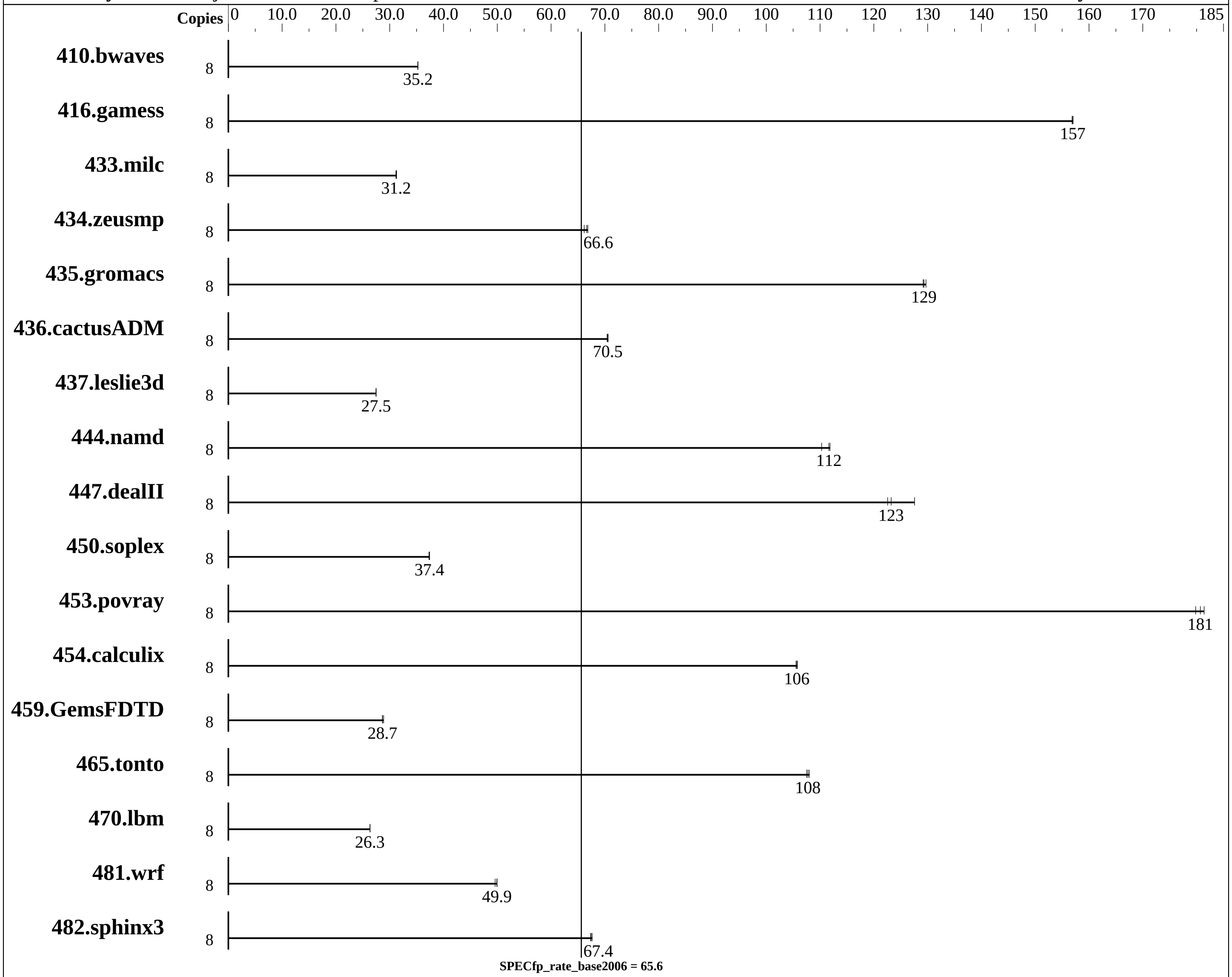
Fujitsu Siemens Computers

PRIMERGY TX300 S4, Intel Xeon E5430, 2.66 GHz

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 65.6

CPU2006 license:	22	**Test date:**	Mar-2008
Test sponsor:	Fujitsu Siemens Computers	**Hardware Availability:**	Dec-2007
Tested by:	Fujitsu Siemens Computers	**Software Availability:**	Nov-2007



Hardware

CPU Name:	Intel Xeon E5430
CPU Characteristics:	1333 MHz system bus
CPU MHz:	2667
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:	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 for Linux32 and Linux64 Version 10.1 - Build 20070725
Auto Parallel:	No
File System:	ext2
System State:	Multi-User Run Level 3
Base Pointers:	64-bit

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L3 Cache: None
Other Cache: None
Memory: 16 GB (8x2 GB PC2-5300F, 2 rank, CL 5-5-5, ECC)
Disk Subsystem: 1x SAS, 73 GB, 15000 rpm
Other Hardware: None

Peak Pointers: Not Applicable
Other Software: binutils-2.17.50.0.5-0.1.x86_64

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	8	3084	35.3	**3085**	**35.2**	3087	35.2							
416.gamess	8	**998**	**157**	997	157	999	157							
433.milc	8	2348	31.3	2357	31.2	**2354**	**31.2**							
434.zeusmp	8	1089	66.8	**1093**	**66.6**	1100	66.2							
435.gromacs	8	**442**	**129**	440	130	442	129							
436.cactusADM	8	1358	70.4	**1355**	**70.5**	1354	70.6							
437.leslie3d	8	2740	27.4	2736	27.5	**2738**	**27.5**							
444.namd	8	574	112	**575**	**112**	582	110							
447.dealII	8	717	128	747	123	**743**	**123**							
450.soplex	8	**1784**	**37.4**	1789	37.3	1784	37.4							
453.povray	8	**236**	**181**	237	180	235	181							
454.calculix	8	625	106	**624**	**106**	624	106							
459.GemsFDTD	8	**2962**	**28.7**	2940	28.9	2964	28.6							
465.tonto	8	729	108	**731**	**108**	732	107							
470.lbm	8	4177	26.3	**4176**	**26.3**	4175	26.3							
481.wrf	8	1789	50.0	1802	49.6	**1790**	**49.9**							
482.sphinx3	8	**2312**	**67.4**	2305	67.6	2315	67.4							

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
```

Platform Notes

```
BIOS configuration:
Hardware Prefetch = Disable, Adjacent Sector Prefetch = Disable
```

General Notes

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For information about Fujitsu Siemens Computers please see:
http://www.fujitsu-siemens.com
```

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:
`-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/flags-ic101-linux-intel64.20090713.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/flags-ic101-linux-intel64.20090713.xml

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

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