SPEC® CFP2006 Result

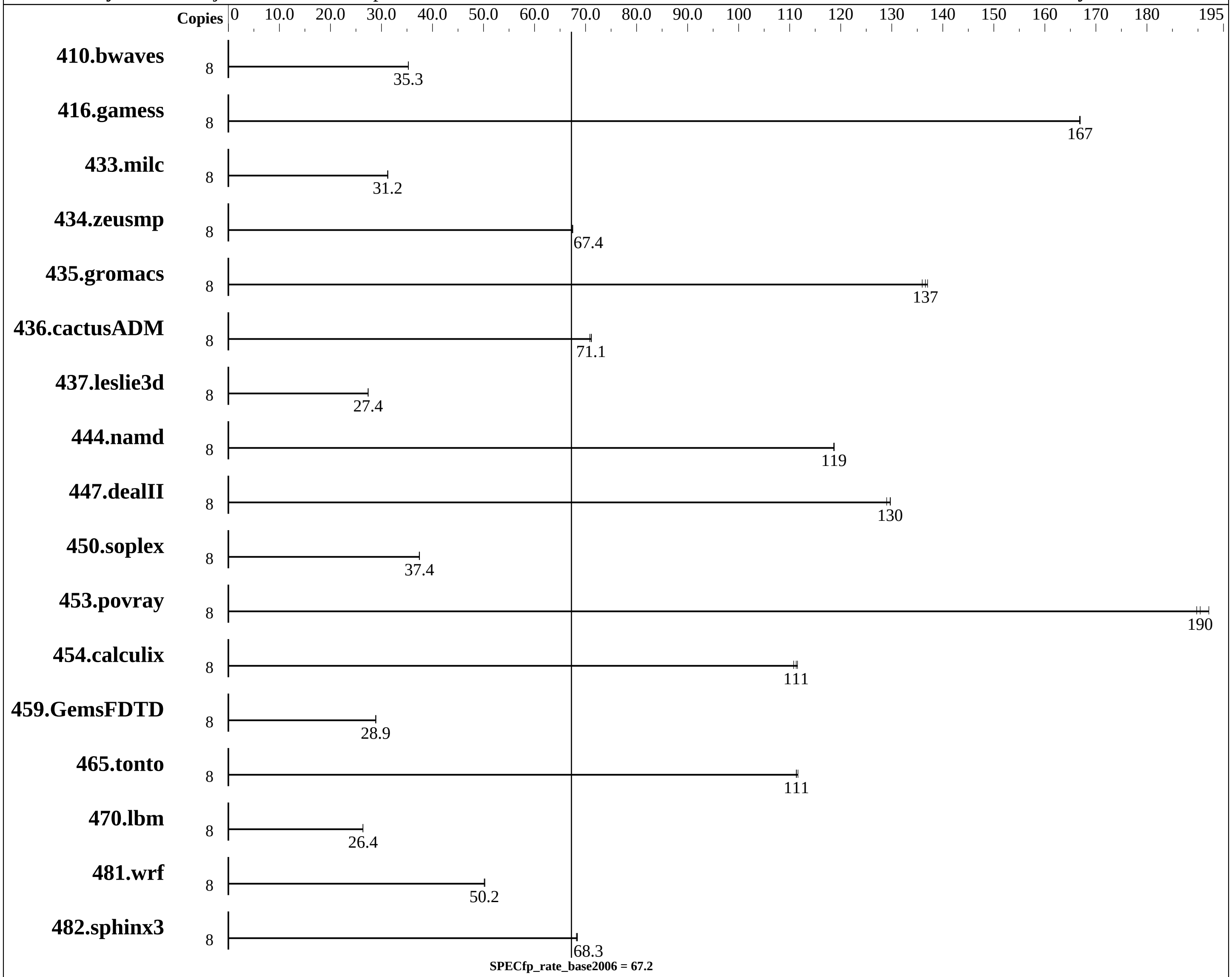
Fujitsu Siemens Computers

PRIMERGY TX300 S4, Intel Xeon E5440, 2.83 GHz

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 67.2

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 E5440
CPU Characteristics:	1333 MHz system bus
CPU MHz:	2833
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	35.2	**3083**	**35.3**	3082	35.3							
416.gamess	8	938	167	**939**	**167**	939	167							
433.milc	8	2354	31.2	**2353**	**31.2**	2348	31.3							
434.zeusmp	8	1080	67.4	**1080**	**67.4**	1078	67.5							
435.gromacs	8	**418**	**137**	420	136	417	137							
436.cactusADM	8	**1345**	**71.1**	1350	70.8	1344	71.1							
437.leslie3d	8	**2744**	**27.4**	2747	27.4	2743	27.4							
444.namd	8	541	119	540	119	**541**	**119**							
447.dealII	8	705	130	**706**	**130**	709	129							
450.soplex	8	1784	37.4	**1782**	**37.4**	1781	37.5							
453.povray	8	**223**	**190**	222	192	224	190							
454.calculix	8	**593**	**111**	592	112	596	111							
459.GemsFDTD	8	2933	28.9	**2940**	**28.9**	2942	28.9							
465.tonto	8	**707**	**111**	707	111	705	112							
470.lbm	8	4166	26.4	**4165**	**26.4**	4165	26.4							
481.wrf	8	**1781**	**50.2**	1777	50.3	1782	50.1							
482.sphinx3	8	2286	68.2	**2282**	**68.3**	2279	68.4							

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

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

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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
```

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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.

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 17:51:12 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 3 April 2008.