



# SPEC<sup>®</sup> CFP2006 Result

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## Fujitsu Siemens Computers

## SPECfp<sup>®</sup>\_rate2006 = Not Run

### PRIMERGY TX300 S4, Intel Xeon E5430, 2.66 GHz

## SPECfp\_rate\_base2006 = 65.6

CPU2006 license: 22

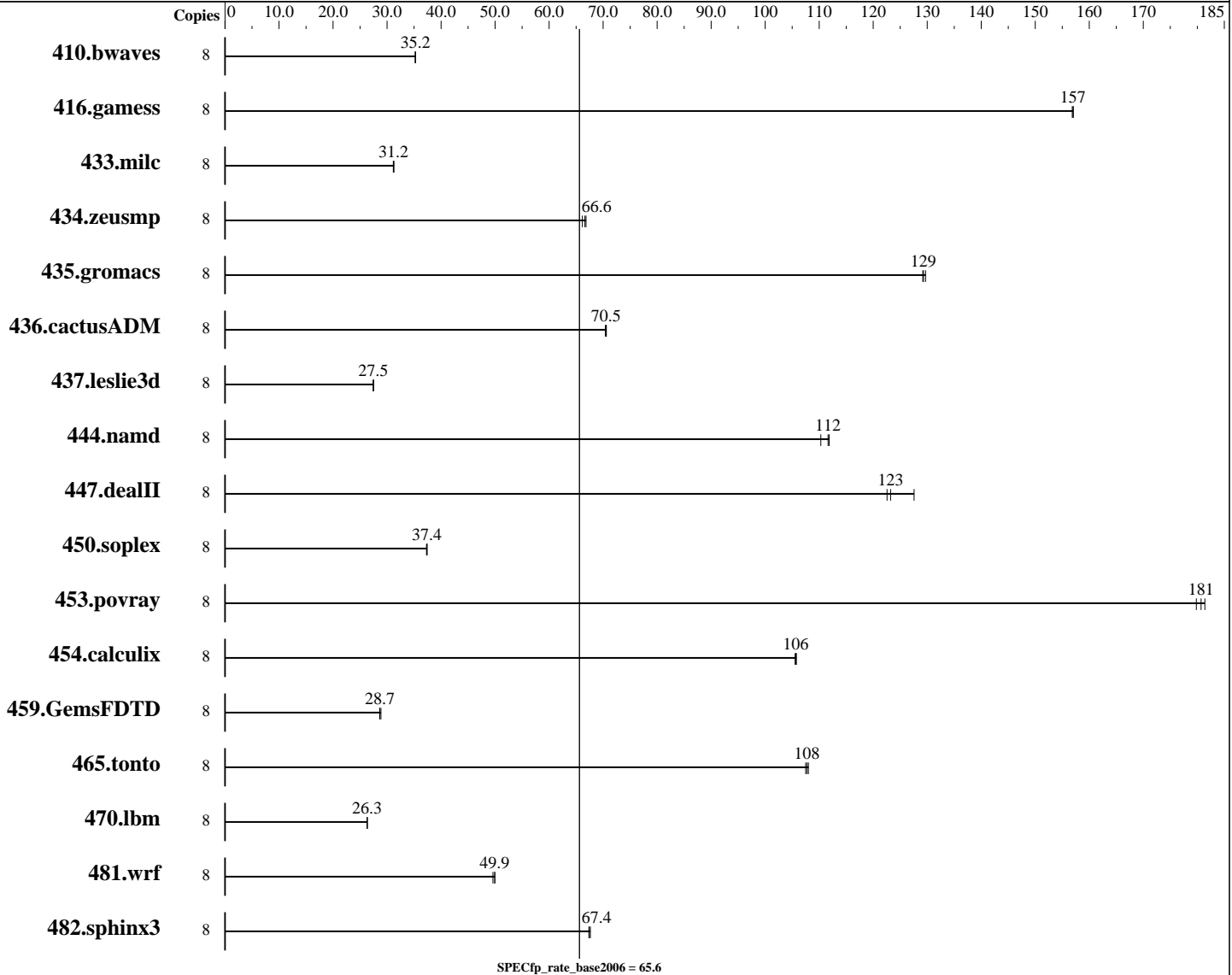
Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Mar-2008

Hardware Availability: Dec-2007

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

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>

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For other inquiries, please contact [webmaster@spec.org](mailto:webmaster@spec.org).

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