



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX200 S3, Intel Xeon processor E5310, 1.60 GHz

SPECfp\_rate2000 = 44.8

SPECfp\_rate\_base2000 = 44.8

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Nov-2006 | Hardware Avail: Nov-2006 | Software Avail: Aug-2006

150 120 90 60 30					Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
					168.wupwise	4	124	59.7	4	124	59.7
					171.swim	4	532	27.0	4	532	27.0
					172.mgrid	4	333	25.1	4	333	25.1
					173.applu	4	366	26.6	4	366	26.6
					177.mesa	4	86.8	74.9	4	86.8	74.9
					178.galgel	4	111	121	4	111	121
					179.art	4	91.5	132	4	91.5	132
					183.equake	4	232	26.0	4	232	26.0
					187.facerec	4	143	61.6	4	143	61.6
					188.amp	4	199	51.4	4	199	51.4
					189.lucas	4	313	29.7	4	313	29.7
					191.fma3d	4	290	33.6	4	290	33.6
					200.sixtrack	4	183	27.9	4	183	27.9
					301.apsi	4	273	44.2	4	273	44.2

### Hardware

CPU: Intel Xeon processor E5310 (1.60 GHz, 2x4MB L2, 1066 MHz system bus)  
CPU MHz: 1600  
FPU: Integrated  
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip  
CPU(s) orderable: 1,2 chips  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 8MB(I+D) on chip, per chip (4MB shared per 2 cores)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x1GB DDR2-RAM PC2-5300F (CAS 5-5-5)  
Disk Subsystem: Seagate ST373454SS (SAS, 15.4krpm, 73GB)  
Other Hardware: none

### Software

Operating System: 64-Bit SUSE LINUX Enterprise Server 10  
Kernel 2.6.16.21-0.8-smp on an x86\_64  
Compiler: Intel C++ and Fortran Compiler 9.1 for EM64T  
Build 20060816 (for 64-bit applications)  
File System: reiserfs  
System State: Multi-user run level 3

## Notes/Tuning Information

### GENERAL

+FDO implies feedback-directed optimization  
PASS1: -prof\_gen PASS2: -prof\_use

Optimization flags  
ONESTEP=yes set for all benchmarks

Portability flags  
-DSPEC\_CPU2000\_LP64 applied to all benchmarks  
178.galgel: -FI for fixed-format Fortran

Base tuning flags  
for Fortran and C programs: -fast +FDO

Peak tuning flags  
same as baseline (basepeak=true set globally)



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## Notes/Tuning Information (Continued)

The system bus runs at 1066 MHz

This result was measured with 64-bit binaries using the 64-bit version of the operating system.

BIOS Configuration:

Adjacent Sector Prefetch = Disable

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