



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX200 S3, Intel Xeon 5050 processor, 3.0 GHz

SPECfp\_rate2000 = 44.7

SPECfp\_rate\_base2000 = 44.7

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: May-2006 | Hardware Avail: Jun-2006 | Software Avail: Jan-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	119	62.3	4	119	62.3
171.swim	4	467	30.8	4	467	30.8
172.mgrid	4	294	28.4	4	294	28.4
173.applu	4	318	30.6	4	318	30.6
177.mesa	4	92.6	70.1	4	92.6	70.1
178.galgel	4	121	111	4	121	111
179.art	4	107	113	4	107	113
183.quake	4	211	28.5	4	211	28.5
187.facerec	4	177	49.8	4	177	49.8
188.amp	4	217	47.1	4	217	47.1
189.lucas	4	303	30.6	4	303	30.6
191.fma3d	4	280	34.8	4	280	34.8
200.sixtrack	4	186	27.4	4	186	27.4
301.apsi	4	269	44.8	4	269	44.8

### Hardware

CPU: Intel Xeon 5050 processor (3.0 GHz, 2x2MB L2, 667 MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12k micro-ops I + 16KBD on chip, per core  
Secondary Cache: 2048KB(I+D) on chip, per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x1GB DDRII-RAM PC2-4200F (CAS 4-4-4)  
Disk Subsystem: Seagate ST336754SS (SAS, 15.4krpm, 36GB)  
Other Hardware: none

### Software

Operating System: 64-Bit SUSE LINUX Enterprise Server 9 with SP3  
Kernel 2.6.5-7.244-smp on an x86\_64  
Compiler: Intel C++ and Fortran Compiler 9.0 for EM64T  
Build 20060120 (for 64-bit applications)  
File System: ext3  
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 667 MHz

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

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