



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX200 S3, Intel Xeon 5160 processor, 3.0 GHz

SPECfp\_rate2000 = 81.5

SPECfp\_rate\_base2000 = 81.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	68.4	109	4	68.4	109
171.swim	4	265	54.2	4	265	54.2
172.mgrid	4	170	49.2	4	170	49.2
173.applu	4	183	53.3	4	183	53.3
177.mesa	4	47.9	136	4	47.9	136
178.galgel	4	58.8	229	4	58.8	229
179.art	4	53.1	227	4	53.1	227
183.quake	4	114	53.1	4	114	53.1
187.facerec	4	85.8	103	4	85.8	103
188.amp	4	117	87.0	4	117	87.0
189.lucas	4	169	54.8	4	169	54.8
191.fma3d	4	166	58.8	4	166	58.8
200.sixtrack	4	98.5	51.8	4	98.5	51.8
301.apsi	4	181	66.7	4	181	66.7

### Hardware

CPU: Intel Xeon 5160 processor (3.0 GHz, 4MB L2, 1333 MHz system bus)  
 CPU MHz: 3000  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 32KBI + 32KBD on chip, per core  
 Secondary Cache: 4096KB(I+D) on chip, shared  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8x1GB DDRII-RAM PC2-5300F (CAS 5-5-5)  
 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 1333 MHz

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

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