



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX300 S3, Intel Xeon 5160 processor, 3.0 GHz

SPECfp\_rate2000 = 46.9

SPECfp\_rate\_base2000 = 46.9

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	55.4	67.1	2	55.4	67.1
171.swim	2	207	34.8	2	207	34.8
172.mgrid	2	137	30.5	2	137	30.5
173.applu	2	148	33.0	2	148	33.0
177.mesa	2	47.3	68.7	2	47.3	68.7
178.galgel	2	55.4	121	2	55.4	121
179.art	2	46.3	130	2	46.3	130
183.quake	2	84.6	35.6	2	84.6	35.6
187.facerec	2	78.4	56.2	2	78.4	56.2
188.amp	2	115	44.4	2	115	44.4
189.lucas	2	142	32.6	2	142	32.6
191.fma3d	2	134	36.3	2	134	36.3
200.sixtrack	2	97.5	26.2	2	97.5	26.2
301.apsi	2	168	35.8	2	168	35.8

### Hardware

CPU: Intel Xeon 5160 processor (3.0 GHz, 4MB SLC, 1333 MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 4096KB(I+D) on chip, per chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x1024 MB 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: ext2  
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.

This result was measured on the PRIMERGY TX300 S3. The PRIMERGY TX300 S3 and the PRIMERGY RX300 S3 are electronically equivalent.

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