



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX300 S3, Intel Xeon 5120 processor, 1.86 GHz

SPECfp\_rate2000 = 33.9

SPECfp\_rate\_base2000 = 33.9

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	74.5	49.8	2	74.5	49.8
171.swim	2	264	27.3	2	264	27.3
172.mgrid	2	177	23.5	2	177	23.5
173.applu	2	193	25.2	2	193	25.2
177.mesa	2	73.8	44.0	2	73.8	44.0
178.galgel	2	82.8	81.3	2	82.8	81.3
179.art	2	63.4	95.1	2	63.4	95.1
183.quake	2	107	28.3	2	107	28.3
187.facerec	2	109	40.5	2	109	40.5
188.amp	2	174	29.3	2	174	29.3
189.lucas	2	181	25.6	2	181	25.6
191.fma3d	2	185	26.3	2	185	26.3
200.sixtrack	2	156	16.3	2	156	16.3
301.apsi	2	233	25.9	2	233	25.9

### Hardware

CPU: Intel Xeon 5120 processor (1.86 GHz, 4MB SLC, 1066 MHz system bus)  
CPU MHz: 1866  
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 PC2-4200F (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: 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 1066 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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