



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX300 S3, Intel Xeon 5150 processor, 2.66 GHz

SPECfp\_rate2000 = 44.5

SPECfp\_rate\_base2000 = 44.5

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

150	120	90	60	30	Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
					168.wupwise	2	57.6	64.5	2	57.6	64.5
					171.swim	2	210	34.3	2	210	34.3
					172.mgrid	2	139	30.1	2	139	30.1
					173.applu	2	152	32.1	2	152	32.1
					177.mesa	2	52.5	61.8	2	52.5	61.8
					178.galgel	2	60.3	112	2	60.3	112
					179.art	2	48.7	124	2	48.7	124
					183.quake	2	86.0	35.1	2	86.0	35.1
					187.facerec	2	82.7	53.3	2	82.7	53.3
					188.amp	2	126	40.5	2	126	40.5
					189.lucas	2	145	32.0	2	145	32.0
					191.fma3d	2	141	34.5	2	141	34.5
					200.sixtrack	2	109	23.3	2	109	23.3
					301.apsi	2	180	33.6	2	180	33.6

### Hardware

CPU: Intel Xeon 5150 processor (2.66 GHz, 4MB SLC, 1333 MHz system bus)  
CPU MHz: 2666  
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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