



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY TX150 S4, Intel Pentium D 930 processor, 3.0 GHz

SPECfp\_rate2000 = 36.8

SPECfp\_rate\_base2000 = 36.8

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	62.2	59.7	2	62.2	59.7
171.swim	2	218	33.0	2	218	33.0
172.mgrid	2	139	29.9	2	139	29.9
173.applu	2	170	28.7	2	170	28.7
177.mesa	2	88.7	36.6	2	88.7	36.6
178.galgel	2	95.8	70.2	2	95.8	70.2
179.art	2	52.7	115	2	52.7	115
183.quake	2	81.0	37.2	2	81.0	37.2
187.facerec	2	107	41.3	2	107	41.3
188.amp	2	178	28.6	2	178	28.6
189.lucas	2	145	32.1	2	145	32.1
191.fma3d	2	161	30.3	2	161	30.3
200.sixtrack	2	184	13.9	2	184	13.9
301.apsi	2	211	28.5	2	211	28.5

### Hardware

CPU: Intel Pentium D 930 processor (3.0 GHz, 2x2MB SLC, 800 MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
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: 4x2048 MB DDRII-RAM PC2-4200E  
Disk Subsystem: Fujitsu MAS3735NC (SCSI, 15 krpm, 73GB)  
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 800 MHz

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

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