



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY TX600 S3, Intel Xeon processor 7130M, 3.20 GHz

SPECfp\_rate2000 = 38.4

SPECfp\_rate\_base2000 = 38.4

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Sep-2006 | Hardware Avail: Aug-2006 | Software Avail: Feb-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	125	59.6	4	125	59.6
171.swim	4	393	36.6	4	393	36.6
172.mgrid	4	251	33.3	4	251	33.3
173.applu	4	334	29.2	4	334	29.2
177.mesa	4	178	36.5	4	178	36.5
178.galgel	4	172	78.3	4	172	78.3
179.art	4	119	102	4	119	102
183.quake	4	186	32.5	4	186	32.5
187.facerec	4	213	41.3	4	213	41.3
188.amp	4	344	29.7	4	344	29.7
189.lucas	4	278	33.4	4	278	33.4
191.fma3d	4	310	31.4	4	310	31.4
200.sixtrack	4	273	18.7	4	273	18.7
301.apsi	4	377	32.0	4	377	32.0

### Hardware

CPU: Intel Xeon processor 7130M (3.20 GHz, 2x1MB L2, 8MB L3, 800 MHz system bus)  
CPU MHz: 3200  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology enabled)  
CPU(s) orderable: 1,2,4 chips  
Parallel: No  
Primary Cache: 12k micro-ops(I) + 16KB(D) on chip, per core  
Secondary Cache: 1024KB(I+D) on chip, per core  
L3 Cache: 8MB on chip, per chip  
Other Cache: N/A  
Memory: 16x1GB DDRII-RAM PC2-3200R (CAS 3-3-3)  
Disk Subsystem: Fujitsu MAS3367NC (SCSI, 15krpm, 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 800 MHz

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

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