



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX600 S3, Intel Xeon processor 7140M, 3.40 GHz

SPECfp\_rate2000 = 42.3

SPECfp\_rate\_base2000 = 42.3

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	119	62.6	4	119	62.6
171.swim	4	393	36.6	4	393	36.6
172.mgrid	4	244	34.3	4	244	34.3
173.applu	4	317	30.8	4	317	30.8
177.mesa	4	165	39.3	4	165	39.3
178.galgel	4	140	95.8	4	140	95.8
179.art	4	87.7	138	4	87.7	138
183.quake	4	175	34.4	4	175	34.4
187.facerec	4	190	46.5	4	190	46.5
188.amp	4	289	35.3	4	289	35.3
189.lucas	4	270	34.4	4	270	34.4
191.fma3d	4	289	33.7	4	289	33.7
200.sixtrack	4	252	20.3	4	252	20.3
301.apsi	4	344	35.0	4	344	35.0

### Hardware

CPU: Intel Xeon processor 7140M (3.40 GHz, 2x1MB L2, 16MB L3, 800 MHz system bus)  
 CPU MHz: 3400  
 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: 16MB 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.

This result was measured on the PRIMERGY TX600 S3. The PRIMERGY TX600 S3 and the PRIMERGY RX600 S3 are electronically equivalent.

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