



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY Econel200 S2, Intel Xeon processor 5110, 1.60 GHz

SPECfp\_rate2000 = 54.0

SPECfp\_rate\_base2000 = 54.0

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	90.3	82.2	4	90.3	82.2
171.swim	4	365	39.4	4	365	39.4
172.mgrid	4	256	32.6	4	256	32.6
173.applu	4	281	34.7	4	281	34.7
177.mesa	4	84.3	77.1	4	84.3	77.1
178.galgel	4	97.2	138	4	97.2	138
179.art	4	72.7	166	4	72.7	166
183.equake	4	165	36.6	4	165	36.6
187.facerec	4	127	69.4	4	127	69.4
188.amp	4	198	51.6	4	198	51.6
189.lucas	4	237	39.1	4	237	39.1
191.fma3d	4	219	44.4	4	219	44.4
200.sixtrack	4	183	27.9	4	183	27.9
301.apsi	4	276	43.7	4	276	43.7

### Hardware

CPU: Intel Xeon processor 5110 (1.60 GHz, 4MB L2, 1066 MHz system bus)  
 CPU MHz: 1600  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
 CPU(s) orderable: 1,2 chips  
 Parallel: No  
 Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
 Secondary Cache: 4096(I+D) on chip, per chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4x1GB DDR2-RAM PC2-5300F (CAS 5-5-5)  
 Disk Subsystem: Western Digital WD800JD (SATA, 7.2krpm, 80GB)  
 Other Hardware: none

### Software

Operating System: 64-Bit SUSE LINUX Enterprise Server 10  
 Kernel 2.6.16.21-0.8-smp on an x86\_64  
 Compiler: Intel C++ and Fortran Compiler 9.1 for EM64T  
 Build 20060816 (for 64-bit applications)  
 File System: reiserfs  
 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.

BIOS Configuration:

Adjacent Sector Prefetch = Disable

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