



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX300 S3, Intel Xeon 5130 processor, 2.0 GHz

SPECfp\_rate2000 = 69.2

SPECfp\_rate\_base2000 = 69.2

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

| 250 200 150 100 50 |  |  |  |  | Benchmark    | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------------|--|--|--|--|--------------|-------------|--------------|------------|--------|---------|-------|
|                    |  |  |  |  | 168.wupwise  | 4           | 75.4         | 98.5       | 4      | 75.4    | 98.5  |
|                    |  |  |  |  | 171.swim     | 4           | 273          | 52.6       | 4      | 273     | 52.6  |
|                    |  |  |  |  | 172.mgrid    | 4           | 176          | 47.4       | 4      | 176     | 47.4  |
|                    |  |  |  |  | 173.applu    | 4           | 193          | 50.5       | 4      | 193     | 50.5  |
|                    |  |  |  |  | 177.mesa     | 4           | 69.1         | 94.0       | 4      | 69.1    | 94.0  |
|                    |  |  |  |  | 178.galgel   | 4           | 77.9         | 173        | 4      | 77.9    | 173   |
|                    |  |  |  |  | 179.art      | 4           | 61.5         | 196        | 4      | 61.5    | 196   |
|                    |  |  |  |  | 183.equake   | 4           | 120          | 50.3       | 4      | 120     | 50.3  |
|                    |  |  |  |  | 187.facerec  | 4           | 101          | 87.4       | 4      | 101     | 87.4  |
|                    |  |  |  |  | 188.amp      | 4           | 161          | 63.4       | 4      | 161     | 63.4  |
|                    |  |  |  |  | 189.lucas    | 4           | 178          | 52.1       | 4      | 178     | 52.1  |
|                    |  |  |  |  | 191.fma3d    | 4           | 184          | 52.9       | 4      | 184     | 52.9  |
|                    |  |  |  |  | 200.sixtrack | 4           | 146          | 35.0       | 4      | 146     | 35.0  |
|                    |  |  |  |  | 301.apsi     | 4           | 223          | 54.2       | 4      | 223     | 54.2  |

### Hardware

CPU: Intel Xeon 5130 processor (2.0 GHz, 4MB SLC, 1333 MHz system bus)  
CPU MHz: 2000  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 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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