



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX100 S3, Intel Pentium 4 631 processor, 3.0 GHz

SPECfp2000 = 1914

SPECfp\_base2000 = 1914

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	54.4	2941	54.4	2941	
171.swim	3100	121	2566	121	2566	
172.mgrid	1800	112	1602	112	1602	
173.applu	2100	130	1611	130	1611	
177.mesa	1400	88.3	1586	88.3	1586	
178.galgel	2900	89.9	3227	89.9	3227	
179.art	2600	45.9	5670	45.9	5670	
183.quake	1300	50.5	2573	50.5	2573	
187.facerec	1900	95.3	1994	95.3	1994	
188.amp	2200	175	1259	175	1259	
189.lucas	2000	96.1	2080	96.1	2080	
191.fma3d	2100	137	1528	137	1528	
200.sixtrack	1100	183	600	183	600	
301.apsi	2600	204	1274	204	1274	

### Hardware

CPU: Intel Pentium 4 631 processor (3.0 GHz, 2MB L2, 800 MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 12k micro-ops I + 16KBD on chip  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4x2GB DDRII-RAM PC2-4200E (CAS 4-4-4)  
Disk Subsystem: Seagate ST380013AS (SATA, 7.2krpm, 80GB)  
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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