



# CFP2000 Result

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## Fujitsu Siemens Computers

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

SPECfp\_rate2000 = 23.0

SPECfp\_rate\_base2000 = 23.0

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	94.8	39.1	2	94.8	39.1
171.swim	2	222	32.3	2	222	32.3
172.mgrid	2	206	20.3	2	206	20.3
173.applu	2	290	16.8	2	290	16.8
177.mesa	2	175	18.5	2	175	18.5
178.galgel	2	182	37.1	2	182	37.1
179.art	2	113	53.6	2	113	53.6
183.quake	2	93.8	32.2	2	93.8	32.2
187.facerec	2	161	27.3	2	161	27.3
188.amp	2	336	15.2	2	336	15.2
189.lucas	2	257	18.1	2	257	18.1
191.fma3d	2	255	19.1	2	255	19.1
200.sixtrack	2	286	8.94	2	286	8.94
301.apsi	2	345	17.5	2	345	17.5

### 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 enabled)  
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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