



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY BX620 S3, Intel Xeon 5080 processor, 3.73 GHz

SPECfp\_rate2000 = 38.4

SPECfp\_rate\_base2000 = 38.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	61.2	60.7	2	61.2	60.7
171.swim	2	215	33.5	2	215	33.5
172.mgrid	2	137	30.4	2	137	30.4
173.applu	2	162	30.0	2	162	30.0
177.mesa	2	73.4	44.3	2	73.4	44.3
178.galgel	2	85.2	78.9	2	85.2	78.9
179.art	2	52.4	115	2	52.4	115
183.quake	2	91.3	33.0	2	91.3	33.0
187.facerec	2	116	38.0	2	116	38.0
188.amp	2	161	31.7	2	161	31.7
189.lucas	2	150	30.9	2	150	30.9
191.fma3d	2	154	31.7	2	154	31.7
200.sixtrack	2	149	17.1	2	149	17.1
301.apsi	2	200	30.1	2	200	30.1

### Hardware

CPU: Intel Xeon 5080 processor (3.73 GHz, 2x2MB L2, 1066 MHz system bus)  
CPU MHz: 3733  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12k micro-ops I + 16KBD on chip, per core  
Secondary Cache: 2048KB(I+D) on chip, per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x1GB DDRII-RAM PC2-4200F (CAS 4-4-4)  
Disk Subsystem: Seagate ST936701SS (SAS, 10 krpm, 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 1066 MHz

This result was measured with 64-bit binaries using the 64-bit version of the operating system.

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