



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY BX620 S3, Intel Xeon 5110 processor, 1.60 GHz

SPECfp\_rate2000 = 31.5

SPECfp\_rate\_base2000 = 31.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	78.7	47.1	2	78.7	47.1
171.swim	2	261	27.5	2	261	27.5
172.mgrid	2	183	22.8	2	183	22.8
173.applu	2	197	24.7	2	197	24.7
177.mesa	2	85.4	38.0	2	85.4	38.0
178.galgel	2	92.7	72.6	2	92.7	72.6
179.art	2	69.0	87.4	2	69.0	87.4
183.quake	2	109	27.6	2	109	27.6
187.facerec	2	119	37.0	2	119	37.0
188.amp	2	199	25.7	2	199	25.7
189.lucas	2	187	24.9	2	187	24.9
191.fma3d	2	197	24.7	2	197	24.7
200.sixtrack	2	183	14.0	2	183	14.0
301.apsi	2	258	23.4	2	258	23.4

### Hardware

CPU: Intel Xeon 5110 processor (1.60 GHz, 4MB L2, 1066 MHz system bus)  
 CPU MHz: 1600  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 32KBI + 32KBD on chip, per core  
 Secondary Cache: 4096KB(I+D) on chip, shared  
 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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