



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY BX620 S3, Intel Xeon 5150 processor, 2.66 GHz

SPECfp\_rate2000 = 78.0

SPECfp\_rate\_base2000 = 78.0

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	69.9	106	4	69.9	106
171.swim	4	267	54.0	4	267	54.0
172.mgrid	4	170	49.1	4	170	49.1
173.applu	4	185	52.6	4	185	52.6
177.mesa	4	53.2	122	4	53.2	122
178.galgel	4	63.8	211	4	63.8	211
179.art	4	54.9	220	4	54.9	220
183.quake	4	115	52.5	4	115	52.5
187.facerec	4	88.7	99.3	4	88.7	99.3
188.amp	4	128	79.5	4	128	79.5
189.lucas	4	172	54.0	4	172	54.0
191.fma3d	4	172	56.7	4	172	56.7
200.sixtrack	4	110	46.2	4	110	46.2
301.apsi	4	193	62.4	4	193	62.4

### Hardware

CPU: Intel Xeon 5150 processor (2.66 GHz, 4MB L2, 1333 MHz system bus)  
CPU MHz: 2666  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 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 PC2-5300F (CAS 5-5-5)  
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 1333 MHz

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

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