



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX200 S2, Intel Xeon processor 3.80GHz, 2MB L2

SPECfp\_rate2000 = 22.7

SPECfp\_rate\_base2000 = 22.7

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Nov-2005 | Hardware Avail: Oct-2005 | Software Avail: Mar-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	118	31.3	2	118	31.3
171.swim	2	252	28.5	2	252	28.5
172.mgrid	2	204	20.4	2	204	20.4
173.applu	2	282	17.2	2	282	17.2
177.mesa	2	166	19.6	2	166	19.6
178.galgel	2	180	37.4	2	180	37.4
179.art	2	159	38.0	2	159	38.0
183.quake	2	83.2	36.3	2	83.2	36.3
187.facerec	2	170	26.0	2	170	26.0
188.amp	2	344	14.8	2	344	14.8
189.lucas	2	213	21.8	2	213	21.8
191.fma3d	2	276	17.6	2	276	17.6
200.sixtrack	2	230	11.1	2	230	11.1
301.apsi	2	325	18.6	2	325	18.6

### Hardware

CPU: Intel Xeon processor 3.80GHz, 2MB L2, 800MHz system bus  
 CPU MHz: 3800  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled)  
 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: 8x512 MB DDRII-RAM PC2-3200R  
 Disk Subsystem: Seagate ST336753LC(U320 SCSI, 15krpm)  
 Other Hardware: none

### Software

Operating System: Windows Server 2003 Enterprise Edition + SP1  
 Compiler: Intel C and Fortran Compiler 9.0 Build 20050722Z (for 32-bit applications), Microsoft Visual Studio .Net 2003 7.1.3088 (for libraries), SmartHeap Library Version 7.4 from <http://www.microquill.com>  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

### GENERAL

+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### Portability flags

178.galgel: -FI /F32000000

### Base tuning flags

for Fortran programs: -fast -Qansi\_alias +FDO shlW32M.lib  
for C programs: -fast +FDO shlW32M.lib

### Peak tuning flags

same as baseline (basepeak=true set globally)

New 32-bit Windows tools used, approved in May-2005

The system bus runs at 800 MHz



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## Notes/Tuning Information (Continued)

This result was measured with 32-bit binaries using the 32-bit version of the operating system.

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