



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX200 S2, Intel Xeon processor 3.20GHz, 2MB L2

SPECfp\_rate2000 = 31.4

SPECfp\_rate\_base2000 = 31.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	74.3	49.9	2	74.3	49.9
171.swim	2	265	27.2	2	265	27.2
172.mgrid	2	174	24.0	2	174	24.0
173.applu	2	212	23.0	2	212	23.0
177.mesa	2	100	32.4	2	100	32.4
178.galgel	2	100	67.1	2	100	67.1
179.art	2	83.1	72.6	2	83.1	72.6
183.quake	2	78.9	38.2	2	78.9	38.2
187.facerec	2	125	35.4	2	125	35.4
188.amp	2	222	23.0	2	222	23.0
189.lucas	2	177	26.3	2	177	26.3
191.fma3d	2	198	24.7	2	198	24.7
200.sixtrack	2	174	14.7	2	174	14.7
301.apsi	2	235	25.6	2	235	25.6

### Hardware

CPU: Intel Xeon processor 3.20GHz, 2MB L2, 800MHz system bus  
 CPU MHz: 3200  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 1 core/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: 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=yes 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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