



# CFP2000 Result

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## Fujitsu Siemens Computers

PRIMERGY TX300 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: Oct-2005 | Hardware Avail: Oct-2005 | Software Avail: Sep-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	74.0	50.2	2	74.0	50.2
171.swim	2	265	27.1	2	265	27.1
172.mgrid	2	174	24.0	2	174	24.0
173.applu	2	212	23.0	2	212	23.0
177.mesa	2	100	32.3	2	100	32.3
178.galgel	2	99.9	67.3	2	99.9	67.3
179.art	2	83.2	72.5	2	83.2	72.5
183.quake	2	78.9	38.2	2	78.9	38.2
187.facerec	2	125	35.3	2	125	35.3
188.amp	2	221	23.1	2	221	23.1
189.lucas	2	177	26.2	2	177	26.2
191.fma3d	2	201	24.3	2	201	24.3
200.sixtrack	2	172	14.8	2	172	14.8
301.apsi	2	234	25.8	2	234	25.8

### 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  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x512 MB DDRII-RAM PC2-3200R  
Disk Subsystem: Fujitsu MAS3184NC (U320, 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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