



# CFP2000 Result

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Fujitsu Siemens Computers  
PRIMERGY RX100 S3, Intel Pentium 4 650

SPECfp2000 = 1921  
SPECfp\_base2000 = 1921

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	59.1	2707	59.1	2707	
171.swim	3100	116	2668	116	2668	
172.mgrid	1800	117	1533	117	1533	
173.applu	2100	132	1587	132	1587	
177.mesa	1400	94.0	1489	94.0	1489	
178.galgel	2900	81.4	3561	81.4	3561	
179.art	2600	53.7	4841	53.7	4841	
183.earth	1300	45.5	2858	45.5	2858	
187.facerec	1900	94.3	2014	94.3	2014	
188.amp	2200	189	1166	189	1166	
189.lucas	2000	88.6	2257	88.6	2257	
191.fma3d	2100	137	1534	137	1534	
200.sixtrack	1100	163	673	163	673	
301.apsi	2600	197	1320	197	1320	

### Hardware

CPU: Intel Pentium 4 650 (3.40 GHz, 800 MHz bus)  
CPU MHz: 3400  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1  
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: 4x2048 MB DDRII-RAM PC2-4300  
Disk Subsystem: Seagate ST380013AS (SATA, 7.2krpm)  
Other Hardware:

### 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 shlw32M.lib +FDO  
for C programs: -fast shlw32M.lib +FDO

### 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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