



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Fujitsu Siemens Computers  
CELSIUS M430, Pentium 4 3.8 GHz

SPECfp2000 = 1762  
SPECfp\_base2000 = 1755

SPEC license #: 22 Tested by: Fujitsu Siemens Computers Test date: Feb-2005 Hardware Avail: Dec-2004 Software Avail: Nov-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	57.4	2786	57.5	2784	[Bar chart showing ratio 2784]			
171.swim	3100	134	2321	131	2375	[Bar chart showing ratio 2375]			
172.mgrid	1800	111	1616	112	1614	[Bar chart showing ratio 1614]			
173.applu	2100	131	1597	131	1601	[Bar chart showing ratio 1601]			
177.mesa	1400	83.0	1686	83.0	1686	[Bar chart showing ratio 1686]			
178.galgel	2900	111	2618	110	2628	[Bar chart showing ratio 2628]			
179.art	2600	87.5	2971	87.5	2971	[Bar chart showing ratio 2971]			
183.earthquake	1300	65.4	1989	66.8	1946	[Bar chart showing ratio 1946]			
187.facerec	1900	97.7	1944	97.3	1953	[Bar chart showing ratio 1953]			
188.amp	2200	206	1066	199	1106	[Bar chart showing ratio 1106]			
189.lucas	2000	94.4	2119	93.8	2133	[Bar chart showing ratio 2133]			
191.fma3d	2100	133	1583	133	1583	[Bar chart showing ratio 1583]			
200.sixtrack	1100	162	679	160	688	[Bar chart showing ratio 688]			
301.apsi	2600	203	1279	205	1268	[Bar chart showing ratio 1268]			

### Hardware

CPU: Intel Pentium 4 (3.8 GHz, 800 MHz bus)  
CPU MHz: 3800  
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: 1024KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 2 GB (4x512 MB DDRII 533, CL4-4-4, with ECC)  
Disk Subsystem: Maxtor 6Y160M0 (Serial ATA 7200 rpm)  
Other Hardware:

### Software

Operating System: Windows XP Professional, Service Pack 1  
Compiler: Intel(R) C++ Compiler, Version 8.1,  
- Build 20041019Z, Package ID: W\_CC\_PU\_8.1.020  
Intel(R) Fortran Compiler, Version 8.1  
- Build 20041019Z, Package ID: w\_fc\_pu\_8.1.023  
Microsoft Visual Studio .NET 7.0 (for libraries)  
MicroQuill SmartHeap Library 6.03a  
File System: FAT32  
System State: Default

## Notes/Tuning Information

### Portability flags:

178.galgel: -FI /F32000000

### Feedback optimization:

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

### Baseline Tuning Flags:

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

### Peak Tuning Flags:

168.wupwise: -fast -Qansi\_alias +FDO  
171.swim: -fast -Qansi\_alias +FDO  
172.mgrid: -fast -Qansi\_alias +FDO  
173.applu: -fast -Qscalar\_rep- -Qauto +FDO



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Fujitsu Siemens Computers  
CELSIUS M430, Pentium 4 3.8 GHz

SPECfp2000 = 1762  
SPECfp\_base2000 = 1755

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Feb-2005 | Hardware Avail: Dec-2004 | Software Avail: Nov-2004

## Notes/Tuning Information (Continued)

```
177.mesa:      basepeak=yes
178.galgel:    -fast -Qansi_alias +FDO
179.art:       basepeak=yes
183.quake:     -QxP -Oa -Qrcd -Qipo +FDO
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammmp:    -Oa -QxP
189.lucas:    -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
```

The system bus runs at 800 MHz

For information about Fujitsu Siemens Computers in your country please see:  
<http://www.fujitsu-siemens.com/countries>