



CFP2000 Result

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Fujitsu Siemens Computers
CELSIUS M420

SPECfp2000 = 1522

SPECfp_base2000 = 1519

SPEC license #: 22 Tested by: Fujitsu Siemens Computers Test date: Jun-2004 Hardware Avail: Jun-2004 Software Avail: Mar-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	66.2	2418	66.3	2414	[Bar chart showing ratio 2414]			
171.swim	3100	134	2308	134	2308	[Bar chart showing ratio 2308]			
172.mgrid	1800	133	1358	133	1358	[Bar chart showing ratio 1358]			
173.applu	2100	147	1431	143	1466	[Bar chart showing ratio 1466]			
177.mesa	1400	93.2	1502	93.2	1502	[Bar chart showing ratio 1502]			
178.galgel	2900	116	2502	116	2502	[Bar chart showing ratio 2502]			
179.art	2600	196	1324	196	1324	[Bar chart showing ratio 1324]			
183.earth	1300	72.5	1792	72.5	1792	[Bar chart showing ratio 1792]			
187.facerec	1900	102	1860	102	1860	[Bar chart showing ratio 1860]			
188.amp	2200	208	1058	208	1058	[Bar chart showing ratio 1058]			
189.lucas	2000	108	1849	108	1848	[Bar chart showing ratio 1848]			
191.fma3d	2100	143	1467	143	1467	[Bar chart showing ratio 1467]			
200.sixtrack	1100	180	610	178	617	[Bar chart showing ratio 617]			
301.apsi	2600	236	1101	236	1101	[Bar chart showing ratio 1101]			

Hardware

CPU: Pentium 4 processor (3.4E GHz, 800 MHz bus)
CPU MHz: 3400
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HT 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: 2048 MB (4 512 MB PC3200 DDR ECC modules)
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 8.0, - Build 20040318Z Package ID: W_CC_PC_8.0.048
Intel(R) Fortran Compiler, Version 8.0, - Build 20040318Z Package ID: w_fc_pc_8.0.047
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:
-QxP -fast -Qansi_alias +FDO
for Fortran programs:
-QxP -fast -Qansi_alias +FDO

Peak Tuning Flags:

168.wupwise: -QxP -fast -Qansi_alias +FDO
171.swim: basepeak=yes
172.mgrid: -QxP -fast -Qansi_alias +FDO
173.applu: -QxP -fast -Qscalar_rep- -Qauto +FDO



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Notes/Tuning Information (Continued)

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