



CFP2000 Result

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Fujitsu Siemens Computers Celsius M420

SPECfp2000 = 1287

SPECfp_base2000 = 1271

SPEC license #: 22 Tested by: Fujitsu Siemens Computers Test date: Jul-2003 Hardware Avail: Aug-2003 Software Avail: Jun-2003

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | |
|----------------|----------------|--------------|------------|---------|-------|--|
| 168.wupwise | 1600 | 90.5 | 1768 | 92.0 | 1740 | |
| 171.swim | 3100 | 163 | 1896 | 165 | 1878 | |
| 172.mgrid | 1800 | 149 | 1209 | 149 | 1209 | |
| 173.applu | 2100 | 164 | 1284 | 164 | 1279 | |
| 177.mesa | 1400 | 105 | 1333 | 105 | 1336 | |
| 178.galgel | 2900 | 137 | 2121 | 137 | 2116 | |
| 179.art | 2600 | 292 | 890 | 291 | 893 | |
| 183.earthquake | 1300 | 84.2 | 1544 | 73.1 | 1777 | |
| 187.facerec | 1900 | 115 | 1648 | 114 | 1674 | |
| 188.ammmp | 2200 | 280 | 785 | 280 | 785 | |
| 189.lucas | 2000 | 127 | 1580 | 124 | 1611 | |
| 191.fma3d | 2100 | 161 | 1306 | 161 | 1303 | |
| 200.sixtrack | 1100 | 185 | 593 | 180 | 610 | |
| 301.apsi | 2600 | 291 | 893 | 291 | 892 | |

Hardware

CPU: Pentium 4 processor (3.2 GHz, 800 MHz bus)
 CPU MHz: 3200
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1
 Parallel: No
 Primary Cache: 12k micro-ops I + 8KBD on chip
 Secondary Cache: 512KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 1024 MB (2 512 MB PC3200 DDR ECC modules)
 Disk Subsystem: ATA-100
 Other Hardware:

Software

Operating System: Windows 2000 Professional
 Compiler: Intel(R) C++ Compiler, Version 7.1 Build 20030609Z
 Intel(R) Fortran Compiler, Version 7.1 Build 20030609Z
 Microsoft Visual Studio .NET: 7.00.9466 (for libraries)
 MicroQuill SmartHeap Library 6.03a
 File System: FAT32
 System State: Default

Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen PASS2=-Qprof_use
Base tuning: -Qipo -QxW -O3 +FDO
Portability:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise: -Qipo -QaxW -Oa +FDO
  171.swim: -Qipo -QaxW -O3 +FDO
  172.mgrid: -Qipo -QaxW -O3 +FDO
  173.applu: -Qipo -QxW -O3 -Qscalar_rep- -Qauto +FDO
  177.mesa: -Qipo -QxW +FDO
  178.galgel: -Qipo -QxW -O3 +FDO
  179.art: -Qipo -QxW +FDO
  183.earthquake: -Qipo -QxW -O3 -Oa -Qrcd +FDO shlW32M.lib
  187.facerec: -Qipo -QaxW -O3 +FDO
  188.ammmp: -Qipo -QxW -O3 +FDO
  189.lucas: -Qipo -QxW +FDO
  191.fma3d: -Qipo -QaxW -O3 +FDO
```



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Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QaxW +FDO
301.apsi:     -Qipo -QxW  -O3 +FDO
Extra Libraries
shlw32M.lib : MicroQuill SmartHeap Library 6.03a
              www.microquill.com
The system bus runs at 800 MHz
```