



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Fujitsu Siemens Computers
CELSIUS M440, Intel dual-core Pentium D 820

SPECfp2000 = 1578
SPECfp_base2000 = 1568

SPEC license #: 22 Tested by: Fujitsu Siemens Computers Test date: Nov-2005 Hardware Avail: Jul-2005 Software Avail: Sep-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	67.7	2363	67.6	2365	[Bar chart showing ratio 2365]			
171.swim	3100	125	2478	126	2468	[Bar chart showing ratio 2468]			
172.mgrid	1800	140	1288	140	1287	[Bar chart showing ratio 1287]			
173.applu	2100	148	1422	146	1439	[Bar chart showing ratio 1439]			
177.mesa	1400	112	1248	112	1248	[Bar chart showing ratio 1248]			
178.galgel	2900	120	2424	120	2421	[Bar chart showing ratio 2421]			
179.art	2600	84.3	3085	84.3	3083	[Bar chart showing ratio 3083]			
183.earth	1300	54.4	2392	54.4	2389	[Bar chart showing ratio 2389]			
187.facerec	1900	112	1700	112	1700	[Bar chart showing ratio 1700]			
188.amp	2200	261	843	239	921	[Bar chart showing ratio 921]			
189.lucas	2000	102	1964	102	1965	[Bar chart showing ratio 1965]			
191.fma3d	2100	156	1342	157	1335	[Bar chart showing ratio 1335]			
200.sixtrack	1100	196	560	197	560	[Bar chart showing ratio 560]			
301.apsi	2600	243	1071	243	1071	[Bar chart showing ratio 1071]			

Hardware

CPU: Intel dual-core Pentium D processor 820
CPU MHz: 2800
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip, per core
Secondary Cache: 1024KB(I+D) on chip, per core
L3 Cache: N/A
Other Cache: N/A
Memory: 4 GB (4x1 GB DDR2-533, 2rank, CL4-4-4, with ECC)
Disk Subsystem: Serial ATA 7200 rpm
Other Hardware:

Software

Operating System: Windows XP Professional, Service Pack 2
Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.0, - Build 20050912Z Package ID: W_CC_C_9.0.024
Intel(R) Fortran Compiler for 32-bit app., Version 9.0, - Build 20050912Z Package ID: W_FC_C_9.0.024
Microsoft Visual Studio .NET 2003 (for libraries)
MicroQuill SmartHeap Library 7.4
File System: NTFS
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 +FDO shlw32m.lib
for Fortran programs:
-fast +FDO shlw32m.lib

Peak Tuning Flags:

168.wupwise: -fast +FDO
171.swim: -fast +FDO
172.mgrid: -fast +FDO
173.applu: -fast -Qscalar_rep- -Qauto +FDO



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Fujitsu Siemens Computers
CELSIUS M440, Intel dual-core Pentium D 820

SPECfp2000 =	1578
SPECfp_base2000 =	1568

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Nov-2005 | Hardware Avail: Jul-2005 | Software Avail: Sep-2005

Notes/Tuning Information (Continued)

```
177.mesa:      -fast +FDO
178.galgel:    -fast +FDO
179.art:       -fast +FDO shlw32M.lib
183.earthquake: -fast +FDO shlw32M.lib
187.facerec:   -fast +FDO
188.ammp:      -fast +FDO
189.lucas:     -fast +FDO
191.fma3d:    -fast +FDO
200.sixtrack: -fast +FDO
301.apsi:     -fast +FDO
```

Extra Libraries:

```
shlw32M.lib = Microquill SmartHeap Library 7.4
see www.microquill.com
```

The system bus runs at 800 MHz

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