CFP2000 Result

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Fujitsu Siemens Computers

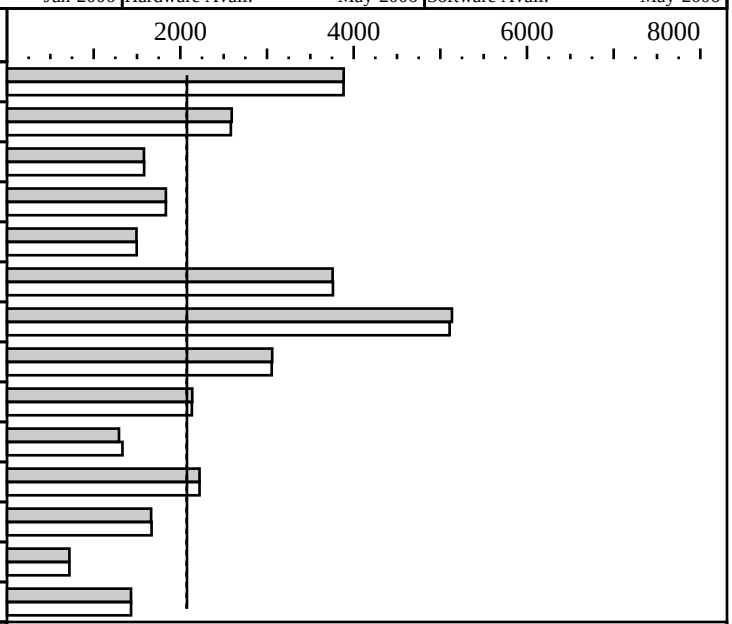
CELSIUS M440, Intel dual-core Pentium D 960

SPECfp2000 = 2077

SPECfp_base2000 = 2073

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Jun-2006 | Hardware Avail: May-2006 | Software Avail: May-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	41.2	3885	41.2	3883
171.swim	3100	120	2593	120	2583
172.mgrid	1800	114	1580	114	1582
173.applu	2100	115	1833	115	1833
177.mesa	1400	93.7	1494	93.5	1497
178.galgel	2900	77.2	3757	77.1	3761
179.art	2600	50.6	5134	50.9	5107
183.equake	1300	42.5	3060	42.6	3054
187.facerec	1900	88.9	2137	89.1	2133
188.ammp	2200	170	1292	165	1332
189.lucas	2000	90.0	2221	90.0	2221
191.fma3d	2100	126	1663	126	1668
200.sixtrack	1100	153	720	153	720
301.apsi	2600	182	1431	182	1432



Hardware

CPU:	Intel Pentium D processor 960
CPU MHz:	3600
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 per core (on chip)
Secondary Cache:	2 MB(I+D) per core (on chip)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 GB (4 x 1GB PC2-4200 DDR2 ECC modules)
Disk Subsystem:	Maxtor 6Y160M0 (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 9.1, - Build 20060519Z Package ID: W_CC_P_9.1.025 Intel(R) Fortran Compiler for 32-bit app., Version 9.1, - Build 20060519Z Package ID: W_FC_P_9.1.025 Microsoft Visual Studio .NET 2003 (for libraries) MicroQuill SmartHeap Library, Version 8 (shlW32M.lib)
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:
 173.applu:      basepeak=yes
 168.wupwise:  -fast +FDO
 171.swim:     -fast +FDO
 172.mgrid:    -fast +FDO
```

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Notes/Tuning Information (Continued)

```
 173.applu:    basepeak=yes
 177.mesa:     -fast +FDO ONESTEP=yes
 178.galgel:   -fast +FDO
 179.art:      -fast +FDO shlW32M.lib
 183.equake:   -fast +FDO shlW32M.lib
 187.facerec:  -fast +FDO
 188.ammp:     -fast +FDO
 189.lucas:    basepeak=yes
 191.fma3d:    -fast +FDO
 200.sixtrack: -fast +FDO
 301.apsi:     -fast +FDO

Extra Libraries:
 shlW32M.lib = Microquill SmartHeap Library 8
 see www.microquill.com


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