CFP2000 Result

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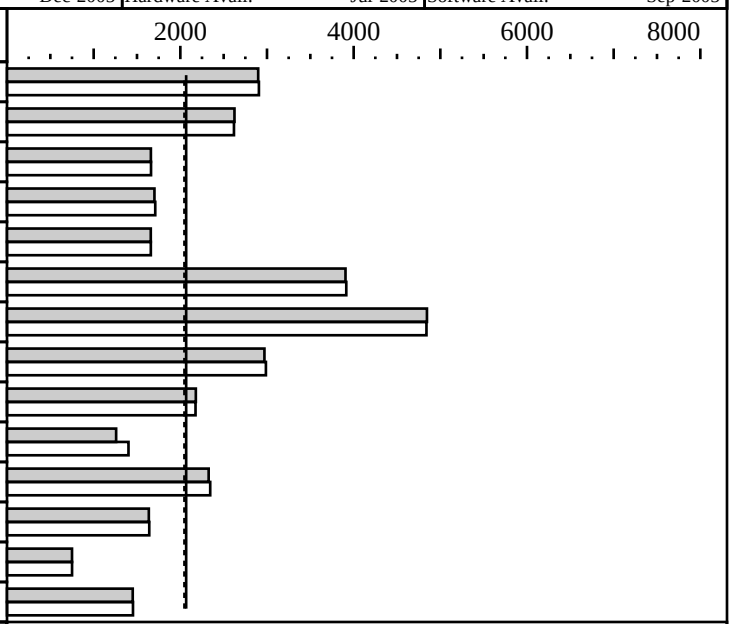
Fujitsu Siemens Computers
CELSIUS M440, Intel Pentium 4 670

SPECfp2000 = 2067

SPECfp_base2000 = 2048

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	55.2	2898	55.0	2907
171.swim	3100	118	2625	118	2619
172.mgrid	1800	108	1660	108	1662
173.applu	2100	123	1701	123	1711
177.mesa	1400	84.4	1659	84.4	1660
178.galgel	2900	74.3	3906	74.1	3915
179.art	2600	53.7	4846	53.7	4840
183.equake	1300	43.8	2970	43.5	2987
187.facerec	1900	87.2	2179	87.3	2175
188.ammp	2200	175	1259	157	1402
189.lucas	2000	86.0	2327	85.3	2345
191.fma3d	2100	128	1636	128	1641
200.sixtrack	1100	147	750	147	751
301.apsi	2600	179	1451	179	1454



Hardware

CPU:	Intel Pentium 4 processor 670
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:	2048KB(I+D) on chip
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
```

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Notes/Tuning Information (Continued)

```
 177.mesa:     -fast +FDO
 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:    -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
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