CFP2000 Result

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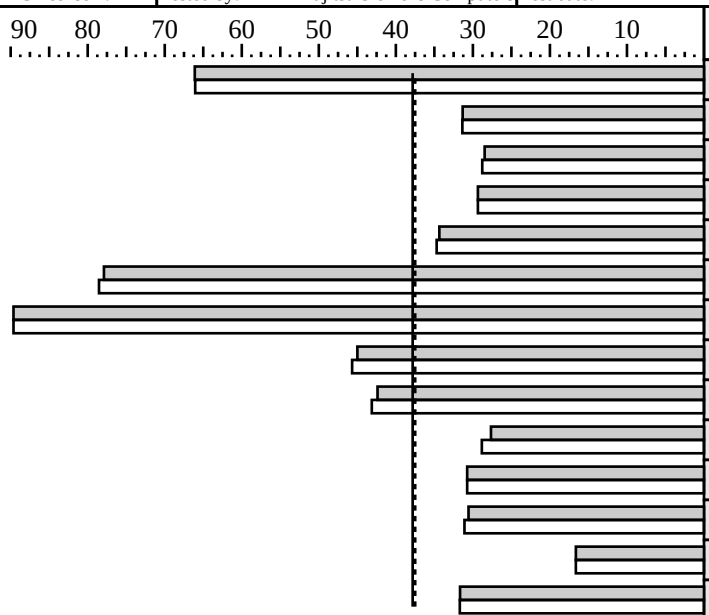
Fujitsu Siemens Computers

CELSIUS M440, Intel dual-core Pentium D 960

SPECfp_rate2000 = 37.8

SPECfp_rate_base2000 = 37.5

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	56.2	66.1	2	56.2	66.0
171.swim	2	230	31.3	2	229	31.4
172.mgrid	2	147	28.5	2	145	28.8
173.applu	2	166	29.3	2	166	29.3
177.mesa	2	94.5	34.4	2	93.6	34.7
178.galgel	2	86.4	77.9	2	85.7	78.5
179.art	2	67.3	89.6	2	67.3	89.6
183.equake	2	67.0	45.0	2	66.0	45.7
187.facerec	2	104	42.4	2	102	43.1
188.ammp	2	185	27.7	2	177	28.8
189.lucas	2	151	30.7	2	151	30.7
191.fma3d	2	159	30.6	2	157	31.1
200.sixtrack	2	153	16.6	2	153	16.6
301.apsi	2	190	31.7	2	190	31.7

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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