CFP2000 Result

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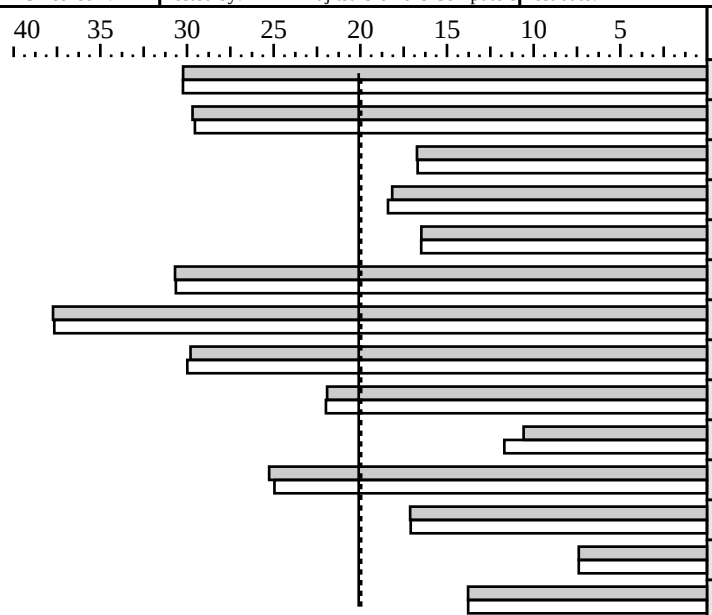
Fujitsu Siemens Computers

CELSIUS M440, Intel dual-core Pentium D 840

SPECfp_rate2000 = 20.1

SPECfp_rate_base2000 = 20.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	61.4	30.2	1	61.4	30.2
171.swim	1	121	29.7	1	122	29.5
172.mgrid	1	125	16.7	1	125	16.7
173.applu	1	134	18.2	1	132	18.4
177.mesa	1	98.5	16.5	1	98.5	16.5
178.galgel	1	110	30.7	1	110	30.6
179.art	1	79.9	37.7	1	80.1	37.7
183.equake	1	50.6	29.8	1	50.3	30.0
187.facerec	1	101	21.9	1	100	22.0
188.ammp	1	241	10.6	1	218	11.7
189.lucas	1	91.8	25.3	1	93.0	25.0
191.fma3d	1	142	17.1	1	143	17.1
200.sixtrack	1	173	7.40	1	172	7.40
301.apsi	1	219	13.8	1	219	13.8

Hardware

CPU:	Intel dual-core Pentium D processor 840
CPU MHz:	3200
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
```

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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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