CFP2000 Result

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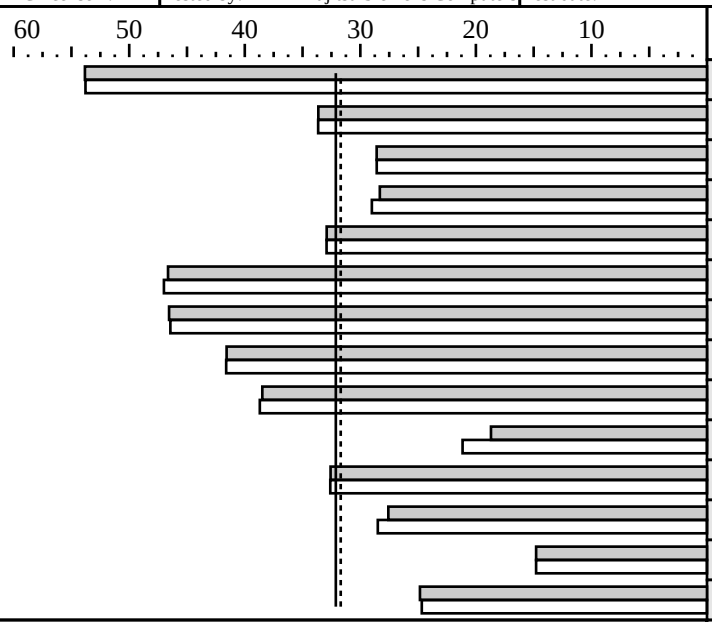
Fujitsu Siemens Computers

CELSIUS M440, Intel dual-core Pentium D 840

SPECfp_rate2000 = 32.1

SPECfp_rate_base2000 = 31.7

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	2	69.0	53.8	2	69.0	53.8
171.swim	2	214	33.6	2	214	33.6
172.mgrid	2	146	28.6	2	146	28.6
173.applu	2	172	28.3	2	168	29.0
177.mesa	2	98.7	32.9	2	98.7	32.9
178.galgel	2	144	46.6	2	143	47.0
179.art	2	130	46.6	2	130	46.4
183.equake	2	72.5	41.6	2	72.5	41.6
187.facerec	2	115	38.5	2	114	38.7
188.ammp	2	273	18.7	2	241	21.2
189.lucas	2	142	32.6	2	142	32.6
191.fma3d	2	177	27.6	2	171	28.5
200.sixtrack	2	173	14.8	2	173	14.8
301.apsi	2	243	24.8	2	244	24.7

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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