CFP2000 Result

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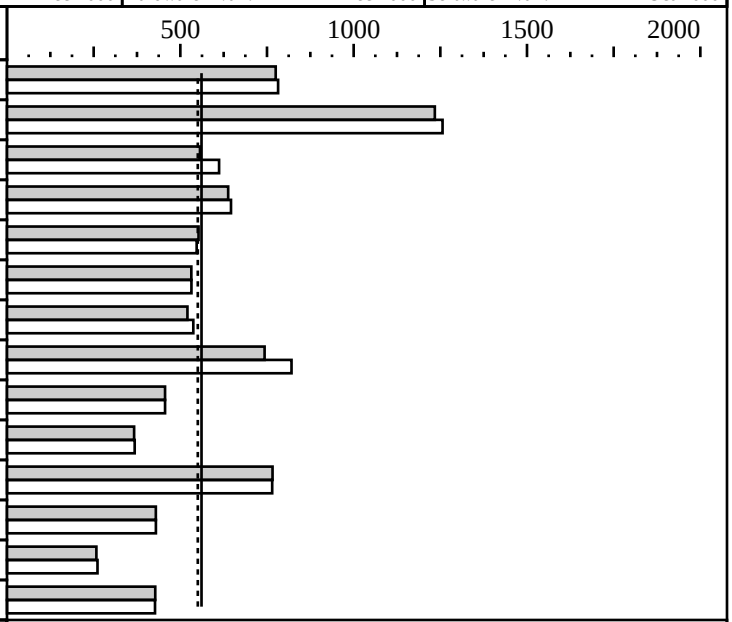
Fujitsu Siemens Computers
CELSIUS 460

SPECfp2000 = 561

SPECfp_base2000 = 550

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Dec-2000 | Hardware Avail: Dec-2000 | Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	206	775	205	782
171.swim	3100	251	1234	247	1256
172.mgrid	1800	323	557	294	612
173.applu	2100	329	638	325	646
177.mesa	1400	253	553	256	547
178.galgel	2900	545	532	545	532
179.art	2600	500	521	484	537
183.equake	1300	175	743	158	821
187.facerec	1900	417	456	417	456
188.ammp	2200	600	367	597	368
189.lucas	2000	261	766	261	765
191.fma3d	2100	489	429	489	430
200.sixtrack	1100	427	258	421	261
301.apsi	2600	608	428	609	427



Hardware

CPU:	Pentium 4 processor (1.5 GHz,400 MHz bus)
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12K micro-ops I + 8KBD on chip
Secondary Cache:	256KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	512MB (2 256MB PC800 RDRAM ECC modules)
Disk Subsystem:	1 x 4GB Seagate ST34502
Other Hardware:	CELSIUS Graphics

Software

Operating System:	Windows NT 4.0 SP5
Compiler:	Intel C/C++ and Fortran Compiler 5.0 for Windows 2000, MicroQuill SmartHeap Library 5.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning:  -Qipo -QxW -O3 +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -Qipo -QxW  -O3 +FDO
171.swim:     -Qipo -QxW  -O3 +FDO
172.mgrid:    -Qipo -QaxW -O3 +FDO
173.applu:    -Qipo -QxW  -O3 +FDO
177.mesa:     -Qipo -QxW  -Oa -O3 +FDO
178.galgel:   -Qipo -QxW  -O3 +FDO
179.art:      -Qipo -QxW  -O3 -Oa +FDO shlW32M.lib
183.equake:   -Qipo -QxW  -Qrcd -Oa +FDO shlW32M.lib
187.facerec:  -Qipo -QxW  -O3 +FDO shlW32M.lib
188.ammp:     -Qipo -QxW  -O3 -Oa +FDO
189.lucas:    -Qipo -QxW  -O3 +FDO
191.fma3d:    -Qipo -QxW  -O3 +FDO
```

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Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QxW  +FDO
301.apsi:     -Qipo -QxW  -O3 +FDO
Library ordering for 187.facerec (include SmartHeap correctly with default libs):
Libs=liblEPCF90.lib libintrins.lib libF90.lib libqwind.lib libm.lib shlW32M.lib
LIBC.lib libirc.lib OLDNAMES.lib
shlW32M.lib is the SmartHeap library V5.0 from Microquill: http://www.microquill.com
```