



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.quake	1300	175	743	158	821	
187.facerec	1900	417	456	417	456	
188.amp	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.quake: -Qipo -QxW -Qrcd -Oa +FDO shlw32M.lib
187.facerec: -Qipo -QxW -O3 +FDO shlw32M.lib
188.amp: -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
```