



# CFP2000 Result

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**Dell**  
Precision WorkStation 530 (2.2 GHz Xeon)

SPECfp2000 = **802**  
SPECfp\_base2000 = **779**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Jan-2002 Hardware Avail: Jan-2002 Software Avail: Jun-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	500 1000 1500 2000			
168.wupwise	1600	150	1064	149	1076	[Bar chart showing ratio bars for 168.wupwise]			
171.swim	3100	232	1336	232	1336	[Bar chart showing ratio bars for 171.swim]			
172.mgrid	1800	239	753	236	764	[Bar chart showing ratio bars for 172.mgrid]			
173.aplu	2100	251	836	249	842	[Bar chart showing ratio bars for 173.aplu]			
177.mesa	1400	156	899	157	889	[Bar chart showing ratio bars for 177.mesa]			
178.galgel	2900	291	995	292	995	[Bar chart showing ratio bars for 178.galgel]			
179.art	2600	475	548	468	556	[Bar chart showing ratio bars for 179.art]			
183.earth	1300	160	813	119	1091	[Bar chart showing ratio bars for 183.earth]			
187.facerec	1900	192	990	198	957	[Bar chart showing ratio bars for 187.facerec]			
188.amp	2200	451	488	431	510	[Bar chart showing ratio bars for 188.amp]			
189.lucas	2000	195	1024	194	1030	[Bar chart showing ratio bars for 189.lucas]			
191.fma3d	2100	300	699	300	699	[Bar chart showing ratio bars for 191.fma3d]			
200.sixtrack	1100	273	403	262	420	[Bar chart showing ratio bars for 200.sixtrack]			
301.apsi	2600	428	608	421	617	[Bar chart showing ratio bars for 301.apsi]			

### Hardware

CPU: Intel Xeon  
CPU MHz: 2200  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
CPU(s) orderable: 1, 2  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip  
Secondary Cache: 512KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 2 x 128MB PC800 ECC RDRAM  
Disk Subsystem: 1 x 9GB Fujitsu 10K U160  
Other Hardware:

### Software

Operating System: Windows 2000 Professional (SP2)  
Compiler: Intel C++ and Fortran Compiler 5.0.1 (010727Z)  
Microsoft Visual C++ 6.0 (SP5)  
MicroQuill SmartHeap Library 5.0  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```

PORTABILITY
 178.galgel:  -FI /F32000000
FEEDBACK-DIRECTED OPTIMIZATION
 FDO:        PASS1= /Qprof_gen  PASS2= /Qprof_use
BASE TUNING
 C/F77/F90:   /Qipo +FDO /QxW /O3
PEAK TUNING
 168.wupwise: /Qipo +FDO /QxW /Qprefetch
 171.swim:    /Qipo +FDO /QxW /O3
 172.mgrid:   /Qipo +FDO /QaxW /O3
 173.aplu:    /Qipo +FDO /QxW /O3 /Qscalar_rep- /Qauto
 177.mesa:    -Qwp_ipo +FDO -QxW -Qunroll10
 178.galgel:  /Qipo +FDO /QxW /O3
 179.art:     -Qipo +FDO -QxW -O3 shlw32M.lib
 183.earth:   -Qwp_ipo +FDO -QxW -Oa shlw32M.lib
 187.facerec: /Qipo +FDO /QxW /O3 shlw32M.lib
 188.amp:     -Qipo +FDO -QaxW -Oa

```



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## Notes/Tuning Information (Continued)

```
189.lucas: /Qipo /QxW /Qunroll10
191.fma3d: /Qipo +FDO /QxW /O3
200.sixtrack: /Qipo +FDO /QxW
301.apsi: /Qipo /QxW /O3
EXTRA LIBRARIES
shlW32M.lib: MicroQuill SmartHeap Library 5.0
www.microquill.com
LIBRARY ORDERING
187.facerec: libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
libm.lib shlW32M.lib LIBC.lib libirc.lib OLDNAMES.lib
```