



# CFP2000 Result

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**Dell**  
Precision WorkStation 420 (933 MHz Pentium III)

SPECfp2000 = **294**  
SPECfp\_base2000 = **281**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Jun-2000 Hardware Avail: Jun-2000 Software Avail: Feb-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	488	328	469	341	
171.swim	3100	696	446	695	446	
172.mgrid	1800	745	242	745	242	
173.applu	2100	866	243	859	244	
177.mesa	1400	383	366	383	366	
178.galgel	2900	958	303	897	323	
179.art	2600	794	328	806	322	
183.quake	1300	537	242	426	305	
187.facerec	1900	841	226	764	249	
188.amp	2200	759	290	759	290	
189.lucas	2000	667	300	668	299	
191.fma3d	2100	804	261	748	281	
200.sixtrack	1100	718	153	673	163	
301.apsi	2600	804	323	760	342	

### Hardware

CPU: 933 MHz Pentium III processor  
CPU MHz: 933  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 16KBI + 16KBD on chip  
Secondary Cache: 256KB(I+D) on chip  
L3 Cache: None  
Other Cache: None  
Memory: 256 MB ECC PC800 RDRAM  
Disk Subsystem: 1 x 18GB Quantum Atlas 10K Ultra3  
Other Hardware:

### Software

Operating System: Windows NT 4.0 (SP5)  
Compiler: Intel C/C++ and Fortran Compiler 4.5 for Windows NT 4.0  
Microsoft Visual Studio 6.0 (for libraries)  
MicroQuill SmartHeap Library 5.0  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning: -QaxK -Qipo_wp -O3 +FDO
Portability:
178.galgel: -FI -Fe$@ -link -stack:32000000
Peak tuning:
168.wupwise: -Qipo_wp -QxK +FDO
171.swim: -Qipo_wp -QaxK -O3 +FDO
172.mgrid: -Qipo_wp -QaxK -O3 +FDO
173.applu: -Qipo_wp -QxK +FDO
177.mesa: -Qipo_wp -QaxK -O3 +FDO
178.galgel: -Qipo_wp -QxK -O3 +FDO -Zi shlw32M.lib
179.art: -Qipo_wp -QxK +FDO shlw32M.lib
183.quake: -QxK -Qrcd -Ow -Qipo_wp +FDO shlw32M.lib
187.facerec: -Qipo_wp -QxK -O3 +FDO -Zi shlw32M.lib
188.amp: -Qipo_wp -QaxK -O3 +FDO
189.lucas: -Qipo_wp -QxK -O3 +FDO -Zi shlw32M.lib
191.fma3d: -QxK -O1 +FDO
```



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## Notes/Tuning Information (Continued)

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200.sixtrack: -Qipo_wp -QxK +FDO  
301.apsi: -Qipo_wp -QxK +FDO
```