



# CFP2000 Result

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**Dell**  
Precision WorkStation 420 (866 MHz Pentium III)

SPECfp2000 = **283**  
SPECfp\_base2000 = **271**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	510	314	490	326	
171.swim	3100	710	437	710	436	
172.mgrid	1800	739	244	739	244	
173.applu	2100	893	235	882	238	
177.mesa	1400	409	343	409	343	
178.galgel	2900	988	294	918	316	
179.art	2600	803	324	819	317	
183.quake	1300	557	233	442	294	
187.facerec	1900	883	215	803	237	
188.amp	2200	785	280	785	280	
189.lucas	2000	692	289	693	289	
191.fma3d	2100	840	250	778	270	
200.sixtrack	1100	768	143	720	153	
301.apsi	2600	846	307	799	326	

### Hardware

CPU: 866 MHz Pentium III processor  
 CPU MHz: 866  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
 CPU(s) orderable: 2  
 Parallel: No  
 Primary Cache: 16KBI + 16KBD on chip  
 Secondary Cache: 256KB(I+D) on chip  
 L3 Cache: None  
 Other Cache: None  
 Memory: 256MB ECC PC800 RDRAM  
 Disk Subsystem: Quantum Atlas 10K Ultra3  
 Other Hardware:

### Software

Operating System: Windows NT 4.0 (SP5)  
 Compiler: Intel C and Fortran Compiler 4.5 for Windows NT 4.0  
 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
183.quake: -QxK -Qrcd -Ow -Qipo_wp +FDO
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)

```
200.sixtrack: -Qipo_wp -QxK +FDO
301.apsi: -Qipo_wp -QxK +FDO
133 MHz front side bus
```