



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

**Dell**  
**Precision WorkStation 340 (2.2 GHz P4)**

**SPECfp2000 = 818**  
**SPECfp\_base2000 = 813**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	156	1029	149	1076	
171.swim	3100	226	1375	225	1375	
172.mgrid	1800	233	772	233	771	
173.applu	2100	247	852	243	866	
177.mesa	1400	165	848	164	853	
178.galgel	2900	252	1152	252	1151	
179.art	2600	467	556	467	557	
183.quake	1300	133	978	141	922	
187.facerec	1900	188	1013	188	1012	
188.amp	2200	445	494	443	496	
189.lucas	2000	176	1134	169	1182	
191.fma3d	2100	266	789	266	788	
200.sixtrack	1100	277	397	268	411	
301.apsi	2600	417	624	413	630	

### Hardware

CPU: Intel Pentium 4 (400 MHz system bus)  
 CPU MHz: 2200  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
 CPU(s) orderable: 1  
 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 256MB PC800-40 ECC RDRAM  
 Disk Subsystem: 1 x 10GB Maxtor 7.2K ATA/100  
 Other Hardware:

### Software

Operating System: Windows XP Professional  
 Compiler: Intel C++ and Fortran Compiler 6.0 (020423Z)  
 Microsoft Visual Studio .NET (7.0.9466)  
 MicroQuill SmartHeap Library 6.01  
 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 -QxW -O3 +FDO  
 PEAK TUNING  
 168.wupwise: -Qipo -QxW +FDO  
 171.swim: -Qipo -QxW -O3 +FDO  
 172.mgrid: -Qipo -QaxW -O3 +FDO  
 173.applu: -Qipo -QxW -O3 -Qscalar\_rep- +FDO  
 177.mesa: -Qipo -QxW -O3 -Oa +FDO  
 178.galgel: -Qipo -QxW -O3 +FDO  
 179.art: -Qipo -QxW -O3 -Oa +FDO  
 183.quake: -Qipo -QxW -O3 -Oa +FDO shlw32M.lib  
 187.facerec: -Qipo -QxW -O3 +FDO  
 188.amp: -Qipo -QxW -O3 -Oa +FDO



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell  
Precision WorkStation 340 (2.2 GHz P4)

SPECfp2000 =	818
SPECfp_base2000 =	813

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

## Notes/Tuning Information (Continued)

189.lucas: -Qipo -QaxW  
191.fma3d: -Qipo -QxW -O3 +FDO  
200.sixtrack: -Qipo -QxW +FDO  
301.apsi: -Qipo -QxW +FDO  
EXTRA LIBRARIES  
shlw32M.lib: MicroQuill SmartHeap Library 6.01  
www.microquill.com