



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

**Dell**  
**Precision WorkStation 340 (1.8 GHz P4)**

SPECfp2000 = **696**  
SPECfp\_base2000 = **679**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	175	914	173	923	
171.swim	3100	240	1294	240	1294	
172.mgrid	1800	271	665	262	688	
173.applu	2100	272	772	270	778	
177.mesa	1400	190	738	192	729	
178.galgel	2900	335	866	334	867	
179.art	2600	480	541	480	542	
183.quake	1300	171	759	138	940	
187.facerec	1900	242	784	249	762	
188.amp	2200	561	392	544	405	
189.lucas	2000	213	938	205	974	
191.fma3d	2100	359	585	359	585	
200.sixtrack	1100	333	330	321	343	
301.apsi	2600	523	497	517	503	

### Hardware

CPU: Intel Pentium 4  
 CPU MHz: 1800  
 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: 256KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 2 x 128MB PC800 ECC RDRAM  
 Disk Subsystem: 1 x 20GB Maxtor 7.2K ATA/5  
 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.applu: /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.quake: -Qwp_ipo +FDO -QxW -Oa shlW32M.lib
  187.facerec: /Qipo +FDO /QxW /O3 shlW32M.lib
  188.amp: -Qipo +FDO -QaxW -Oa

```



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell Precision WorkStation 340 (1.8 GHz P4)	SPECfp2000 =	696
	SPECfp_base2000 =	679

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

## 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
```