



# CFP2000 Result

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**Dell**  
Precision WorkStation 340 (2.0A GHz P4)

SPECfp2000 = **764**  
SPECfp\_base2000 = **744**

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	
168.wupwise	1600	161	997	158	1011	
171.swim	3100	236	1315	236	1315	
172.mgrid	1800	250	720	244	737	
173.aplu	2100	260	807	259	810	
177.mesa	1400	169	829	172	816	
178.galgel	2900	305	951	305	951	
179.art	2600	477	545	470	553	
183.quake	1300	164	795	124	1048	
187.facerec	1900	203	936	211	900	
188.amp	2200	459	479	445	494	
189.lucas	2000	204	983	202	992	
191.fma3d	2100	319	658	319	658	
200.sixtrack	1100	300	366	290	380	
301.apsi	2600	450	577	443	587	

### Hardware

CPU: Intel Pentium 4  
 CPU MHz: 2000  
 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 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.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.quake: -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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SPECfp2000 = 764  
SPECfp\_base2000 = 744

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