



# CFP2000 Result

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

SPECfp\_rate2000 = 8.86  
SPECfp\_rate\_base2000 = 8.63

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Jan-2002 | Hardware Avail: Jan-2002 | Software Avail: Jun-2001

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	161	11.5	1	158	11.7
171.swim	1	236	15.3	1	236	15.3
172.mgrid	1	250	8.35	1	244	8.55
173.applu	1	260	9.36	1	259	9.39
177.mesa	1	169	9.60	1	171	9.47
178.galgel	1	305	11.0	1	305	11.0
179.art	1	477	6.33	1	471	6.40
183.quake	1	164	9.21	1	124	12.2
187.facerec	1	203	10.9	1	211	10.4
188.amp	1	459	5.56	1	445	5.74
189.lucas	1	204	11.4	1	202	11.5
191.fma3d	1	319	7.63	1	319	7.63
200.sixtrack	1	301	4.24	1	290	4.40
301.apsi	1	450	6.70	1	443	6.81

### 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.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

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## 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
```