



CFP2000 Result

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Dell
Precision WorkStation 340 (1.7 GHz P4)

SPECfp2000 = **675**
SPECfp_base2000 = **659**

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 | 182 | 877 | 181 | 885 | |
| 171.swim | 3100 | 240 | 1291 | 240 | 1291 | |
| 172.mgrid | 1800 | 281 | 641 | 271 | 665 | |
| 173.applu | 2100 | 278 | 755 | 277 | 759 | |
| 177.mesa | 1400 | 200 | 701 | 203 | 690 | |
| 178.galgel | 2900 | 343 | 845 | 344 | 844 | |
| 179.art | 2600 | 480 | 541 | 479 | 543 | |
| 183.quake | 1300 | 174 | 746 | 143 | 911 | |
| 187.facerec | 1900 | 253 | 752 | 260 | 730 | |
| 188.amp | 2200 | 575 | 383 | 557 | 395 | |
| 189.lucas | 2000 | 219 | 912 | 211 | 949 | |
| 191.fma3d | 2100 | 374 | 561 | 374 | 562 | |
| 200.sixtrack | 1100 | 353 | 312 | 340 | 324 | |
| 301.apsi | 2600 | 539 | 482 | 532 | 489 | |

Hardware

CPU: Intel Pentium 4
 CPU MHz: 1700
 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

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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)

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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
```