# CFP2000 Result

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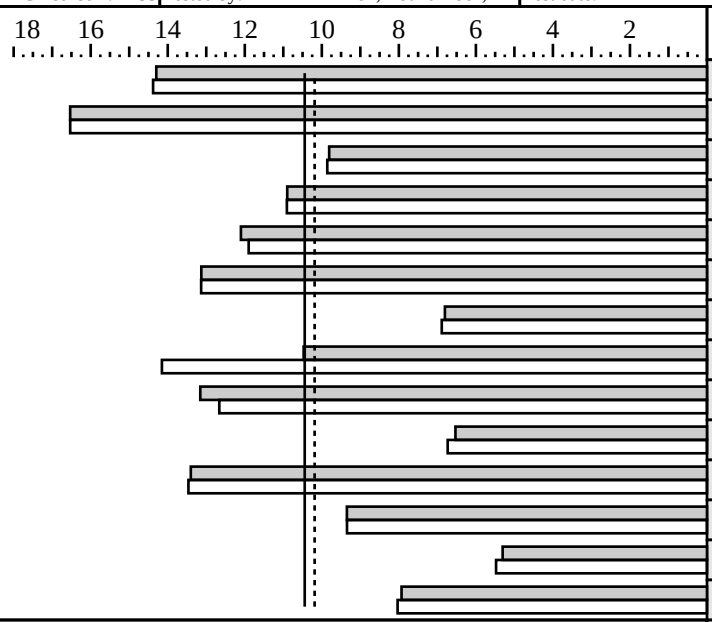
## Dell
## Precision WorkStation 340 (2.53 GHz P4)

SPECfp_rate2000 = 10.4

SPECfp_rate_base2000 = 10.2

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 1 | 130 | 14.3 | 1 | 129 | 14.4 |
| 171.swim | 1 | 218 | 16.5 | 1 | 218 | 16.5 |
| 172.mgrid | 1 | 213 | 9.81 | 1 | 212 | 9.86 |
| 173.applu | 1 | 224 | 10.9 | 1 | 223 | 10.9 |
| 177.mesa | 1 | 134 | 12.1 | 1 | 136 | 11.9 |
| 178.galgel | 1 | 256 | 13.1 | 1 | 256 | 13.1 |
| 179.art | 1 | 443 | 6.80 | 1 | 438 | 6.89 |
| 183.equake | 1 | 144 | 10.5 | 1 | 107 | 14.2 |
| 187.facerec | 1 | 168 | 13.2 | 1 | 174 | 12.7 |
| 188.ammp | 1 | 391 | 6.53 | 1 | 379 | 6.73 |
| 189.lucas | 1 | 173 | 13.4 | 1 | 172 | 13.5 |
| 191.fma3d | 1 | 261 | 9.35 | 1 | 261 | 9.35 |
| 200.sixtrack | 1 | 240 | 5.31 | 1 | 233 | 5.48 |
| 301.apsi | 1 | 380 | 7.93 | 1 | 375 | 8.03 |

### Hardware

| | |
|---|---|
| CPU: | Intel Pentium 4 (533 MHz system bus) |
| CPU MHz: | 2533 |
| 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 10GB Maxtor 7.2K ATA/100 |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows 2000 Professional (SP2) |
| Compiler: | Intel C++ and Fortran Compiler 5.0.1 (020125Z)<br>Microsoft Visual C++ 6.0 (SP5)<br>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 -Qunroll0
  178.galgel:   /Qipo +FDO /QxW /O3
  179.art:      -Qipo +FDO -QxW -O3 shlW32M.lib
  183.equake:   -Qwp_ipo +FDO -QxW -Oa shlW32M.lib
  187.facerec:  /Qipo +FDO /QxW /O3 shlW32M.lib
  188.ammp:     -Qipo +FDO -QaxW -Oa
```

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## Notes/Tuning Information (Continued)

```
    189.lucas:    /Qipo /QxW /Qunroll0
    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
```