# CFP2000 Result

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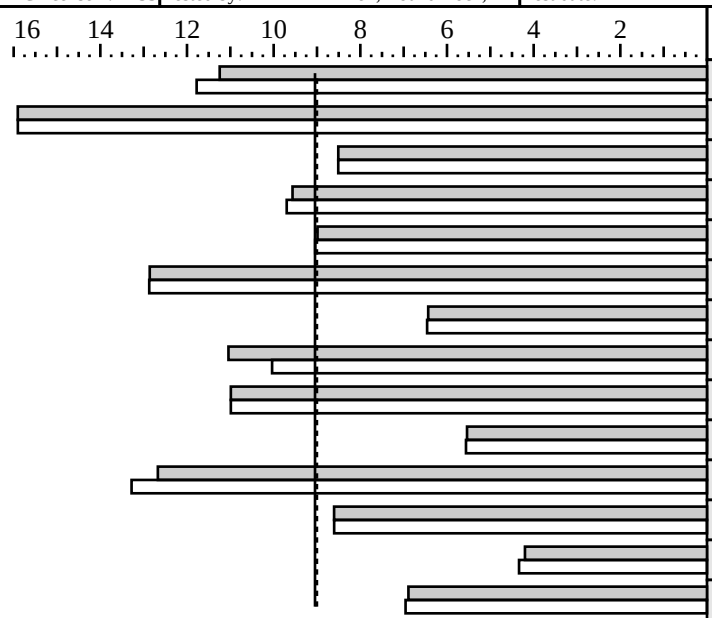
## Dell
## Precision WorkStation 340 (2.0 GHz P4)

SPECfp_rate2000 = 9.05

SPECfp_rate_base2000 = 9.00

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 1 | 165 | 11.2 | 1 | 158 | 11.8 |
| 171.swim | 1 | 226 | 15.9 | 1 | 226 | 15.9 |
| 172.mgrid | 1 | 245 | 8.51 | 1 | 245 | 8.51 |
| 173.applu | 1 | 255 | 9.56 | 1 | 251 | 9.70 |
| 177.mesa | 1 | 181 | 8.99 | 1 | 180 | 9.04 |
| 178.galgel | 1 | 262 | 12.9 | 1 | 261 | 12.9 |
| 179.art | 1 | 469 | 6.43 | 1 | 467 | 6.46 |
| 183.equake | 1 | 137 | 11.0 | 1 | 150 | 10.0 |
| 187.facerec | 1 | 201 | 11.0 | 1 | 201 | 11.0 |
| 188.ammp | 1 | 461 | 5.54 | 1 | 459 | 5.56 |
| 189.lucas | 1 | 183 | 12.7 | 1 | 175 | 13.3 |
| 191.fma3d | 1 | 283 | 8.61 | 1 | 283 | 8.60 |
| 200.sixtrack | 1 | 304 | 4.20 | 1 | 294 | 4.34 |
| 301.apsi | 1 | 438 | 6.89 | 1 | 434 | 6.96 |

### Hardware

| | |
|---|---|
| CPU: | Intel Pentium 4 (400 MHz system bus) |
| 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 256MB PC800-40 ECC RDRAM |
| Disk Subsystem: | 1 x 10GB Maxtor 7.2K ATA/100 |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows XP Professional |
| Compiler: | Intel C++ and Fortan Compiler 6.0 (020423Z)<br>Microsoft Visual Studio .NET (7.0.9466)<br>MicroQuill SmartHeap Library 6.01 |
| 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 -QxW -O3 +FDO
PEAK TUNING
  168.wupwise:  -Qipo -QxW +FDO
  171.swim:     -Qipo -QxW -O3 +FDO
  172.mgrid:    -Qipo -QaxW -O3 +FDO
  173.applu:    -Qipo -QxW -O3 -Qscalar_rep- +FDO
  177.mesa:     -Qipo -QxW -O3 -Oa +FDO
  178.galgel:   -Qipo -QxW -O3 +FDO
  179.art:      -Qipo -QxW -O3 -Oa +FDO
  183.equake:   -Qipo -QxW -O3 -Oa +FDO shlW32M.lib
  187.facerec:  -Qipo -QxW -O3 +FDO
  188.ammp:     -Qipo -QxW -O3 -Oa +FDO
```

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## Notes/Tuning Information (Continued)

```
    189.lucas:     -Qipo -QaxW
    191.fma3d:     -Qipo -QxW -O3 +FDO
    200.sixtrack: -Qipo -QxW +FDO
    301.apsi:      -Qipo -QxW +FDO
  EXTRA LIBRARIES
    shlW32M.lib:  MicroQuill SmartHeap Library 6.01
                  www.microquill.com
```