# CFP2000 Result

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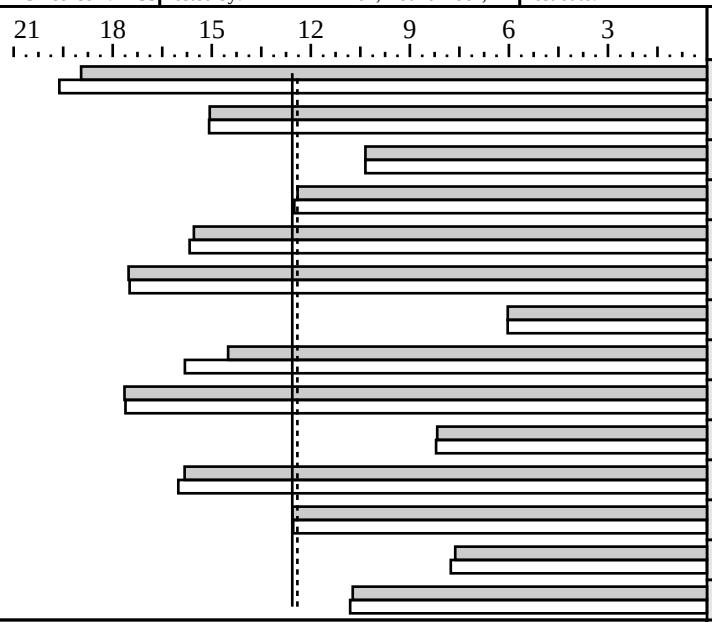
## Dell

## Precision WorkStation 530 (1.8 GHz Xeon)

SPECfp_rate2000 = 12.6

SPECfp_rate_base2000 = 12.4

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 | 2 | 196 | 19.0 | 2 | 189 | 19.6 |
| 171.swim | 2 | 478 | 15.1 | 2 | 477 | 15.1 |
| 172.mgrid | 2 | 404 | 10.3 | 2 | 404 | 10.3 |
| 173.applu | 2 | 393 | 12.4 | 2 | 390 | 12.5 |
| 177.mesa | 2 | 209 | 15.5 | 2 | 207 | 15.7 |
| 178.galgel | 2 | 384 | 17.5 | 2 | 385 | 17.5 |
| 179.art | 2 | 1000 | 6.03 | 2 | 999 | 6.04 |
| 183.equake | 2 | 208 | 14.5 | 2 | 191 | 15.8 |
| 187.facerec | 2 | 250 | 17.6 | 2 | 250 | 17.6 |
| 188.ammp | 2 | 625 | 8.17 | 2 | 622 | 8.21 |
| 189.lucas | 2 | 293 | 15.8 | 2 | 290 | 16.0 |
| 191.fma3d | 2 | 388 | 12.6 | 2 | 389 | 12.5 |
| 200.sixtrack | 2 | 335 | 7.63 | 2 | 329 | 7.76 |
| 301.apsi | 2 | 562 | 10.7 | 2 | 558 | 10.8 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (400 MHz system bus) |
| CPU MHz: | 1800 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 2 chips, 1 core/chip |
| CPU(s) orderable: | 1,2 |
| 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 PC800-45 ECC RDRAM |
| Disk Subsystem: | 1 x 18GB Fujitsu Limited 10K U160 |
| 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
```