# CFP2000 Result

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## Dell

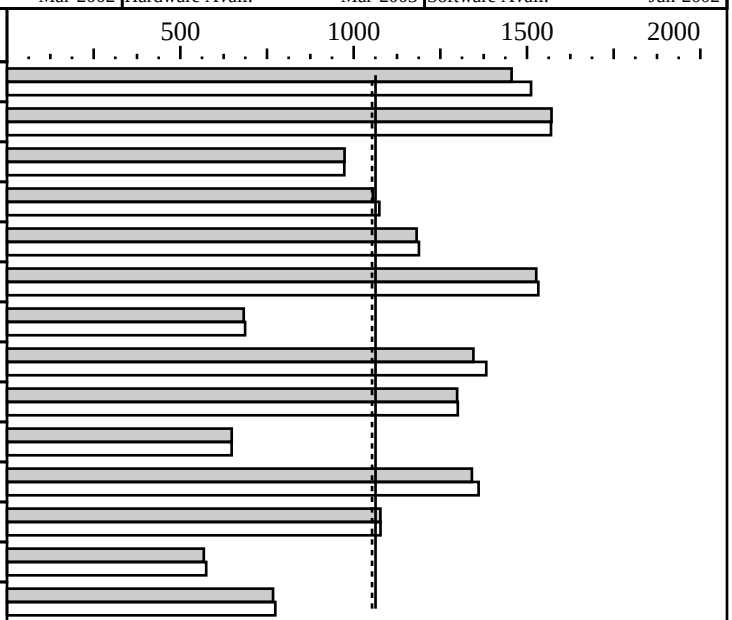
Precision WorkStation 650 (3.06 GHz Xeon)

SPECfp2000 = 1063

SPECfp_base2000 = 1053

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Mar-2002 | Hardware Avail: Mar-2003 | Software Avail: Jun-2002

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 168.wupwise | 1600 | 110 | 1456 | 106 | 1512 |
| 171.swim | 3100 | 197 | 1571 | 198 | 1569 |
| 172.mgrid | 1800 | 185 | 974 | 185 | 973 |
| 173.applu | 2100 | 199 | 1055 | 196 | 1074 |
| 177.mesa | 1400 | 118 | 1182 | 118 | 1188 |
| 178.galgel | 2900 | 190 | 1527 | 189 | 1533 |
| 179.art | 2600 | 381 | 683 | 379 | 687 |
| 183.equake | 1300 | 96.6 | 1345 | 94.0 | 1383 |
| 187.facerec | 1900 | 146 | 1298 | 146 | 1300 |
| 188.ammp | 2200 | 339 | 648 | 340 | 648 |
| 189.lucas | 2000 | 149 | 1341 | 147 | 1360 |
| 191.fma3d | 2100 | 195 | 1077 | 195 | 1077 |
| 200.sixtrack | 1100 | 194 | 568 | 191 | 575 |
| 301.apsi | 2600 | 339 | 767 | 336 | 774 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (533 MHz system bus) |
| CPU MHz: | 3066 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 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: | 4 x 512MB PC2100 CL2-2-2 DDR ECC SDRAM |
| Disk Subsystem: | 1 x 36GB Seagate 15K U320 |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows XP Professional (SP1) |
| Compiler: | Intel C++ and Fortran Compiler 6.0 (020613Z)<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
  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
```