# CFP2000 Result

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## Dell

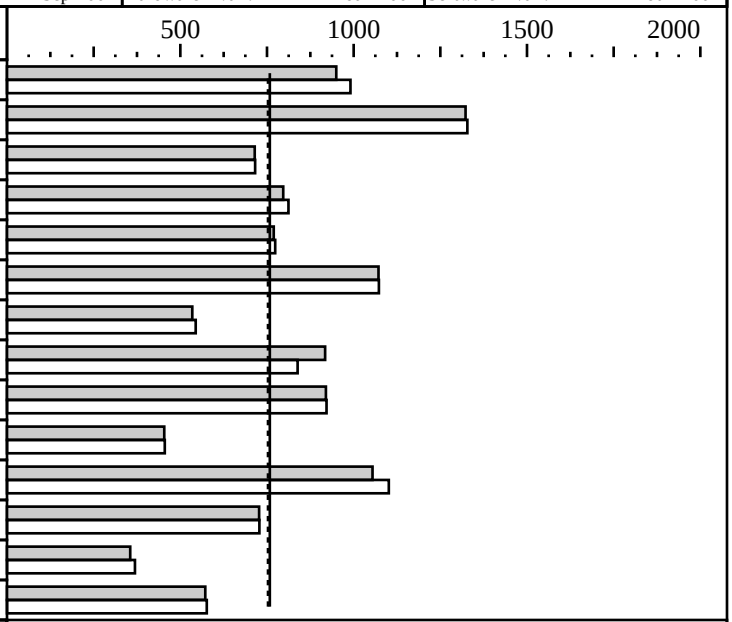
## Precision WorkStation 530 (2.0 GHz Xeon)

SPECfp2000 = 758

SPECfp_base2000 = 753

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 168.wupwise | 1600 | 168 | 950 | 161 | 991 |
| 171.swim | 3100 | 234 | 1323 | 233 | 1328 |
| 172.mgrid | 1800 | 252 | 715 | 251 | 716 |
| 173.applu | 2100 | 264 | 797 | 259 | 812 |
| 177.mesa | 1400 | 182 | 769 | 181 | 774 |
| 178.galgel | 2900 | 271 | 1072 | 270 | 1073 |
| 179.art | 2600 | 486 | 534 | 478 | 544 |
| 183.equake | 1300 | 142 | 918 | 155 | 838 |
| 187.facerec | 1900 | 207 | 920 | 206 | 922 |
| 188.ammp | 2200 | 485 | 454 | 483 | 455 |
| 189.lucas | 2000 | 190 | 1054 | 182 | 1101 |
| 191.fma3d | 2100 | 289 | 727 | 288 | 728 |
| 200.sixtrack | 1100 | 309 | 355 | 298 | 369 |
| 301.apsi | 2600 | 455 | 572 | 451 | 576 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (400 MHz system bus) |
| CPU MHz: | 2000 |
| 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: | 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
```