# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

## Dell

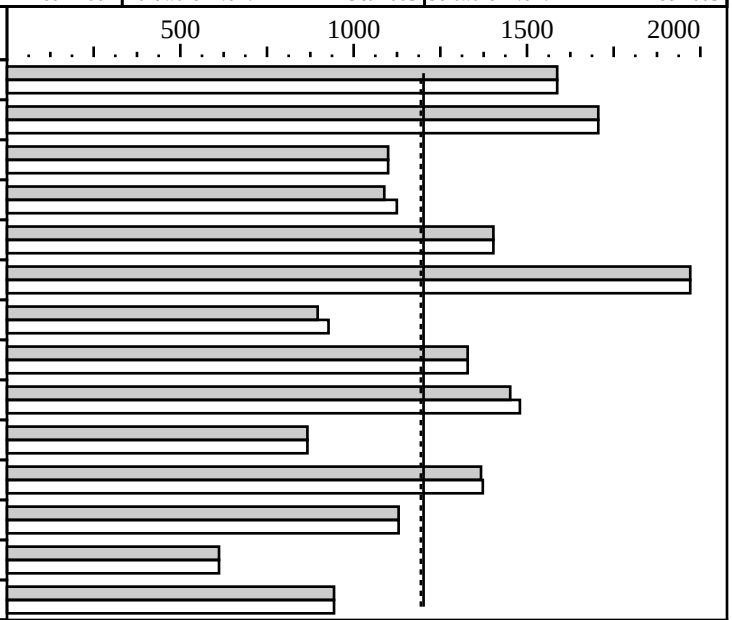
Precision Workstation 650 (3.20 GHz Xeon, 1MB L3 Cache)

SPECfp2000 = 1202

SPECfp_base2000 = 1194

SPEC license #: 55 | Tested by: Dell Inc., Round Rock, TX | Test date: Jan-2004 | Hardware Avail: Oct-2003 | Software Avail: Dec-2003

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 168.wupwise | 1600 | 101 | 1587 | 101 | 1587 |
| 171.swim | 3100 | 182 | 1706 | 182 | 1706 |
| 172.mgrid | 1800 | 164 | 1099 | 164 | 1099 |
| 173.applu | 2100 | 193 | 1088 | 187 | 1124 |
| 177.mesa | 1400 | 99.8 | 1403 | 99.8 | 1403 |
| 178.galgel | 2900 | 147 | 1971 | 147 | 1971 |
| 179.art | 2600 | 290 | 896 | 280 | 927 |
| 183.equake | 1300 | 97.8 | 1329 | 97.8 | 1329 |
| 187.facerec | 1900 | 131 | 1452 | 128 | 1479 |
| 188.ammp | 2200 | 254 | 867 | 254 | 867 |
| 189.lucas | 2000 | 146 | 1367 | 146 | 1373 |
| 191.fma3d | 2100 | 186 | 1130 | 186 | 1130 |
| 200.sixtrack | 1100 | 180 | 612 | 180 | 612 |
| 301.apsi | 2600 | 276 | 943 | 276 | 943 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (533 MHz system bus) |
| CPU MHz: | 3200 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled) |
| CPU(s) orderable: | 2 |
| Parallel: | No |
| Primary Cache: | 12K(I) micro-ops + 8KB(D) on chip |
| Secondary Cache: | 512KB(I+D) on chip |
| L3 Cache: | 1024KB(I+D) on chip |
| Other Cache: | N/A |
| Memory: | 4 x 512MB ECC CL2-2-2 PC2100 DDR SDRAM |
| Disk Subsystem: | 1 x 36GB U320 SCSI, 10K RPM |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows XP Professional SP1 |
| Compiler: | Intel C/C++ Compiler 8.0 (20031229Z)<br>Intel Fortran Compiler 8.0 (20031229Z)<br>Microsoft Visual Studio .NET (7.0.9466) |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

```
PORTABILITY
  178.galgel:   -FI /F32000000
FEEDBACK DIRECTED OPTMIZATION
  ONESTEP=YES
  FDO:          PASS1=  -Qprof_gen  PASS2=-Qprof_use
BASE TUNING
  C/F77/F90:    -QxN  -Qipo -O3     +FDO
PEAK TUNING
  168.wupwise:  basepeak=yes
  171.swim:     basepeak=yes
  172.mgrid:    basepeak=yes
  173.applu:    -QxN  -Qipo -O3     -Qscalar_rep- -Qauto +FDO
  177.mesa:     -QxN  -Qipo -O3 -Oa +FDO
  178.galgel:   basepeak=yes
  179.art:            -Qipo     -Oa -Qunroll4 -Zp4
  183.equake:   -QxN  -Qipo -O3 -Oa -Qrcd +FDO
  187.facerec:  -QaxN -Qipo -O3     -Qunroll1 -Qscalar_rep- +FDO
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation



## Notes/Tuning Information (Continued)

```
    188.ammp:     basepeak=yes
    189.lucas:    -QaxN -Qipo -O3
    191.fma3d:    basepeak=yes
    200.sixtrack: basepeak=yes
    301.apsi:     basepeak=yes
  NOTES
    1 CPU Disabled in the BIOS.
    Hyper-Threading Technology not enabled.
```