# CFP2000 Result

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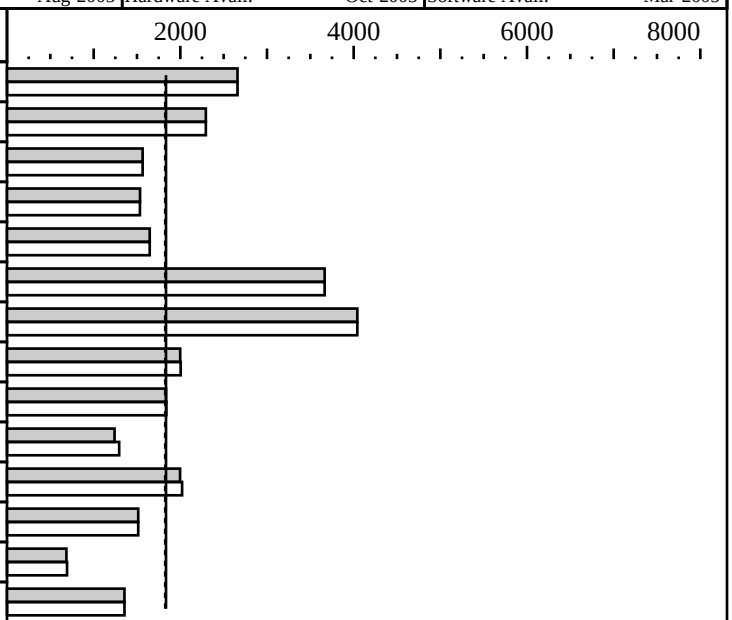
## Dell
## PowerEdge 1850 (3.8GHz Intel Xeon)

SPECfp2000 = 1835

SPECfp_base2000 = 1826

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Aug-2005 | Hardware Avail: Oct-2005 | Software Avail: Mar-2005

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 168.wupwise | 1600 | 60.2 | 2660 | 60.2 | 2660 |
| 171.swim | 3100 | 135 | 2294 | 135 | 2294 |
| 172.mgrid | 1800 | 115 | 1565 | 115 | 1565 |
| 173.applu | 2100 | 137 | 1535 | 137 | 1534 |
| 177.mesa | 1400 | 85.0 | 1647 | 85.0 | 1647 |
| 178.galgel | 2900 | 79.1 | 3665 | 79.1 | 3665 |
| 179.art | 2600 | 64.3 | 4042 | 64.3 | 4042 |
| 183.equake | 1300 | 65.1 | 1998 | 64.9 | 2004 |
| 187.facerec | 1900 | 104 | 1835 | 103 | 1838 |
| 188.ammp | 2200 | 177 | 1241 | 170 | 1294 |
| 189.lucas | 2000 | 100 | 1997 | 99.0 | 2020 |
| 191.fma3d | 2100 | 139 | 1514 | 139 | 1514 |
| 200.sixtrack | 1100 | 160 | 685 | 159 | 693 |
| 301.apsi | 2600 | 192 | 1355 | 192 | 1355 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (3.8GHz, 2MB L2, 800MHz system bus) |
| CPU MHz: | 3800 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled) |
| CPU(s) orderable: | 1,2 |
| Parallel: | No |
| Primary Cache: | 12KB(I) + 16KB(D) on chip |
| Secondary Cache: | 2048KB(I+D) on chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 4x2GB (dual-ranked) ECC 400MHz DDR2 SDRAM |
| Disk Subsystem: | 1 x 36GB 15000RPM SCSI |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003, Standard Edition, Service Pack 1 |
| Compiler: | Intel C/C++/FORTRAN Compiler 8.1 for IA32 (20041119Z)<br>Microsoft Visual Studio .NET 2003(7.1.3088, for libraries) |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

```
GENERAL
  ONESTEP=yes
  +FDO:   PASS1=-Qprof_gen  PASS2=-Qprof_use
PORTABILITY
  178.galgel:   -FI /F32000000
  191.fma3d:    srcalt=windowsdp
BASE TUNING
  C/F77/F90:    -fast -Qansi_alias +FDO
PEAK TUNING
  168.wupwise:  basepeak=yes
  171.swim:     basepeak=yes
  172.mgrid:    basepeak=yes
  173.applu:    -fast -Qansi_alias -Qscalar_rep- -Qauto +FDO
  177.mesa:     basepeak=yes
  178.galgel:   basepeak=yes
  179.art:      basepeak=yes
  183.equake:   -fast -Qansi_alias -Oa -Qrcd +FDO
```

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## Notes/Tuning Information (Continued)

```
    187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
    188.ammp:     -Oa -QxP
    189.lucas:    -fast
    191.fma3d:    basepeak=yes
    200.sixtrack: -QxP -Qipo +FDO*
    301.apsi:     basepeak=yes
  NOTES
    *+FDO does not include -QxP for PASS1 to enable cross-compilation.
```