# CFP2000 Result

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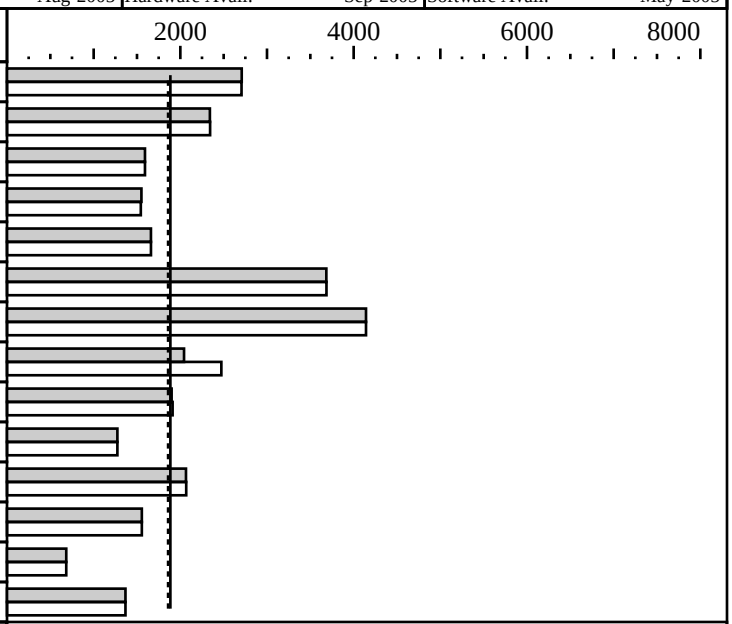
## Hewlett-Packard Company
## ProLiant DL380 G4 (3.8GHz, Intel Xeon)

SPECfp2000 = 1885

SPECfp_base2000 = 1859

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Aug-2005 | Hardware Avail: Sep-2005 | Software Avail: May-2005

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 168.wupwise | 1600 | 59.1 | 2708 | 59.1 | 2706 |
| 171.swim | 3100 | 132 | 2341 | 132 | 2343 |
| 172.mgrid | 1800 | 113 | 1592 | 113 | 1592 |
| 173.applu | 2100 | 135 | 1551 | 136 | 1544 |
| 177.mesa | 1400 | 84.3 | 1661 | 84.3 | 1661 |
| 178.galgel | 2900 | 78.7 | 3685 | 78.7 | 3686 |
| 179.art | 2600 | 62.8 | 4142 | 62.8 | 4142 |
| 183.equake | 1300 | 63.6 | 2043 | 52.6 | 2473 |
| 187.facerec | 1900 | 100 | 1899 | 99.4 | 1911 |
| 188.ammp | 2200 | 173 | 1274 | 173 | 1274 |
| 189.lucas | 2000 | 96.8 | 2065 | 96.7 | 2068 |
| 191.fma3d | 2100 | 135 | 1556 | 135 | 1556 |
| 200.sixtrack | 1100 | 161 | 684 | 161 | 684 |
| 301.apsi | 2600 | 190 | 1367 | 190 | 1367 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (3.8GHz, 2MB L2, 800MHz 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: | 12K micro-ops I + 16KBD on chip |
| Secondary Cache: | 2048KB(I+D) on chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 4x2048MB PC2-3200 Dual Rank |
| Disk Subsystem: | 1x36.4GB 15K Ultra320 SCSI |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Enterprise SP1 |
| Compiler: | Intel C++ Compiler for 32-bit applications, (Version 8.1 Build 20050524Z)<br>Intel Fortran Compiler for 32-bit applications, (Version 8.1 Build 20050517Z)<br>Microsoft Visual Studio .NET 7.0.9466 (for libraries)<br>MicroQuill Smartheap Library 7.0 |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use


Base tuning:     -fast -Qansi_alias +FDO
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise:   -fast -Qansi_alias                  +FDO
  171.swim:      -fast                       -f77rtl +FDO ONESTEP=yes
  172.mgrid:     -fast -Qansi_alias                  +FDO
  173.applu:     -fast -Qscalar_rep- -Qauto -f77rtl +FDO ONESTEP=yes
  177.mesa:      -fast                              +FDO ONESTEP=yes
  178.galgel:    -fast                              +FDO ONESTEP=yes
  179.art:       basepeak=1
  183.equake:    -fast -Oa -Qrcd                    +FDO ONESTEP=yes shlw32M.lib
  187.facerec:   -fast -Qunroll1 -Qscalar_rep- -fpp +FDO ONESTEP=yes
  188.ammp:      basepeak=1
```

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## Notes/Tuning Information (Continued)

```
    189.lucas:      -fast
    191.fma3d:      basepeak=1
    200.sixtrack:   -fast                                   +FDO
    301.apsi:       basepeak=1
  BIOS Configuration Notes
    Hyper-Threading Technology disabled
```