# CFP2000 Result

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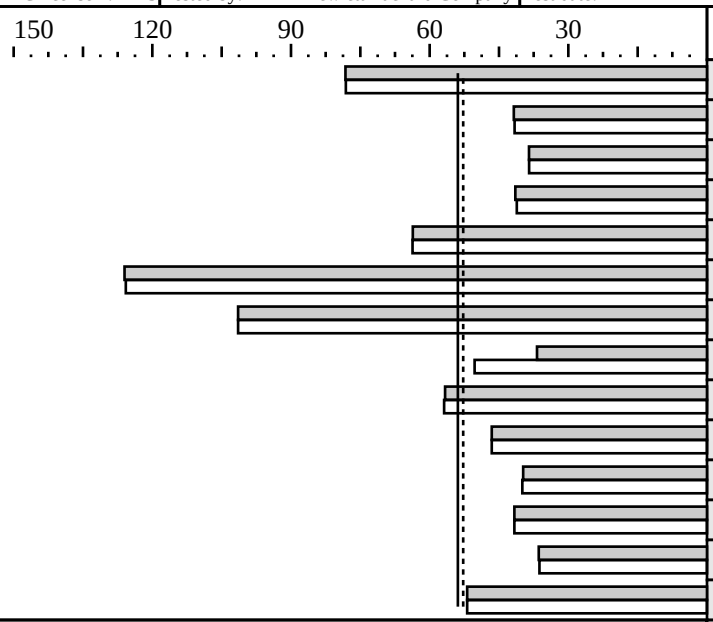
## Hewlett-Packard Company

## ProLiant DL580 G3 (3.333GHz, Intel Xeon)

SPECfp_rate2000 = 53.9

SPECfp_rate_base2000 = 52.7

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 8 | 190 | 78.2 | 8 | 190 | 78.1 |
| 171.swim | 8 | 688 | 41.8 | 8 | 691 | 41.6 |
| 172.mgrid | 8 | 434 | 38.5 | 8 | 434 | 38.5 |
| 173.applu | 8 | 470 | 41.5 | 8 | 474 | 41.1 |
| 177.mesa | 8 | 204 | 63.6 | 8 | 204 | 63.7 |
| 178.galgel | 8 | 214 | 126 | 8 | 214 | 126 |
| 179.art | 8 | 238 | 101 | 8 | 238 | 101 |
| 183.equake | 8 | 328 | 36.8 | 8 | 240 | 50.3 |
| 187.facerec | 8 | 311 | 56.7 | 8 | 310 | 56.9 |
| 188.ammp | 8 | 438 | 46.6 | 8 | 438 | 46.6 |
| 189.lucas | 8 | 467 | 39.8 | 8 | 465 | 40.0 |
| 191.fma3d | 8 | 468 | 41.7 | 8 | 468 | 41.7 |
| 200.sixtrack | 8 | 280 | 36.4 | 8 | 282 | 36.2 |
| 301.apsi | 8 | 465 | 51.9 | 8 | 465 | 51.9 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon MP (3.333GHz, 1MB L2, 8MB L3, 667MHz bus) |
| CPU MHz: | 3333 |
| FPU: | Integrated |
| CPU(s) enabled: | 4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology enabled) |
| CPU(s) orderable: | 1,2,4 |
| Parallel: | No |
| Primary Cache: | 12K micro-ops I + 16KBD on chip |
| Secondary Cache: | 1024KB(I+D) on chip |
| L3 Cache: | 8192KB |
| Other Cache: | N/A |
| Memory: | 16x2048MB DDR2-400 |
| Disk Subsystem: | 1x36.4GB 15K Ultra320 SCSI |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Enterprise (Build 3790) |
| 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 enabled
```