# CFP2000 Result

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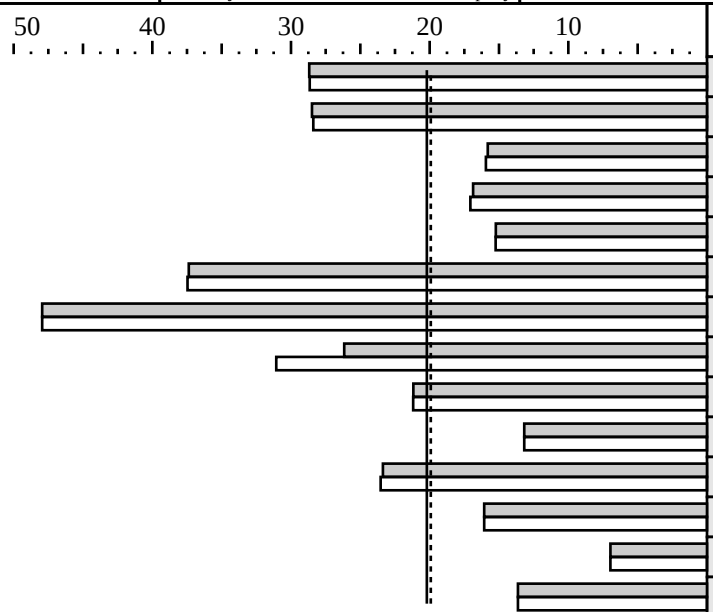
## Hewlett-Packard Company

ProLiant ML110 G3 (3.0GHz, Intel Pentium D Processor 930)

SPECfp_rate2000 = 20.2

SPECfp_rate_base2000 = 19.9

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Feb-2006 | Hardware Avail: Feb-2006 | Software Avail: Oct-2005




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 1 | 64.7 | 28.7 | 1 | 64.8 | 28.7 |
| 171.swim | 1 | 126 | 28.5 | 1 | 127 | 28.4 |
| 172.mgrid | 1 | 132 | 15.8 | 1 | 131 | 15.9 |
| 173.applu | 1 | 144 | 16.9 | 1 | 143 | 17.1 |
| 177.mesa | 1 | 107 | 15.2 | 1 | 107 | 15.2 |
| 178.galgel | 1 | 90.0 | 37.4 | 1 | 89.8 | 37.5 |
| 179.art | 1 | 62.9 | 47.9 | 1 | 62.9 | 47.9 |
| 183.equake | 1 | 57.6 | 26.2 | 1 | 48.5 | 31.1 |
| 187.facerec | 1 | 104 | 21.2 | 1 | 104 | 21.2 |
| 188.ammp | 1 | 194 | 13.2 | 1 | 194 | 13.2 |
| 189.lucas | 1 | 99.3 | 23.4 | 1 | 98.6 | 23.5 |
| 191.fma3d | 1 | 152 | 16.1 | 1 | 152 | 16.1 |
| 200.sixtrack | 1 | 183 | 6.96 | 1 | 183 | 6.97 |
| 301.apsi | 1 | 221 | 13.6 | 1 | 221 | 13.6 |

### Hardware

| | |
|---|---|
| CPU: | Intel Pentium D Processor 930 (3.0GHz, 2x2MB L2, 800MHz bus) |
| CPU MHz: | 3000 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 2 cores/chip |
| CPU(s) orderable: | 1 |
| Parallel: | No |
| Primary Cache: | 12K micro-ops I + 16KBD (on chip) per core |
| Secondary Cache: | 2048KB(I+D) (on chip) per core |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 4x512MB PC2-4200 |
| Disk Subsystem: | 1x80.0GB SATA |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Enterprise SP1 |
| Compiler: | Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20051020Z)<br>Intel Fortran Compiler for 32-bit applications, (Version 9.0 Build 20051020Z)<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-       +FDO ONESTEP=yes
  188.ammp:     basepeak=1
  189.lucas:    -fast
```

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## Notes/Tuning Information (Continued)

```
  191.fma3d:    basepeak=1
  200.sixtrack: -fast                                  +FDO
  301.apsi:             basepeak=1
Other Configuration Notes
  /NUMPROC=1 flag was added to boot.ini to invoke the uniprocessor environment.
```