# CFP2000 Result

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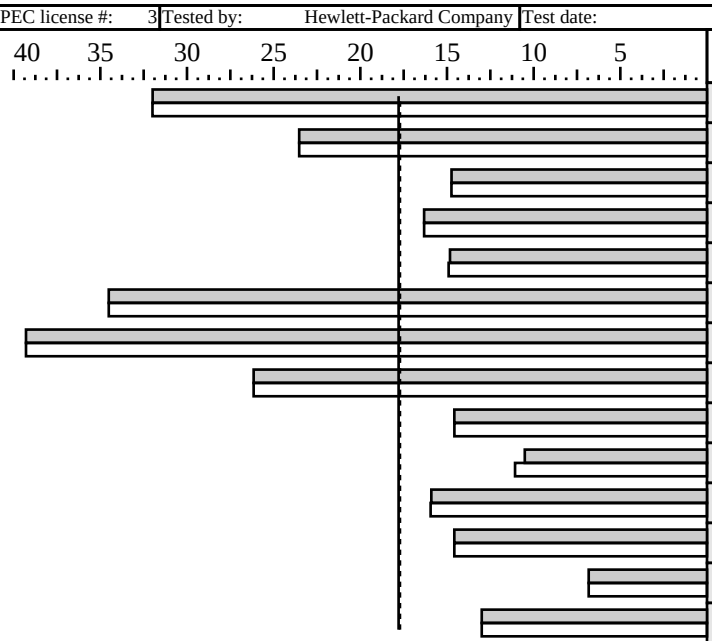
## Hewlett-Packard Company

ProLiant ML570 G4 (3.0GHz, Intel Xeon processor 7041)

SPECfp_rate2000 = 17.8

SPECfp_rate_base2000 = 17.7

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 1 | 58.0 | 32.0 | 1 | 58.0 | 32.0 |
| 171.swim | 1 | 153 | 23.5 | 1 | 153 | 23.5 |
| 172.mgrid | 1 | 142 | 14.7 | 1 | 142 | 14.7 |
| 173.applu | 1 | 149 | 16.3 | 1 | 149 | 16.3 |
| 177.mesa | 1 | 110 | 14.8 | 1 | 109 | 14.9 |
| 178.galgel | 1 | 97.5 | 34.5 | 1 | 97.5 | 34.5 |
| 179.art | 1 | 76.8 | 39.3 | 1 | 76.8 | 39.3 |
| 183.equake | 1 | 57.7 | 26.2 | 1 | 57.7 | 26.2 |
| 187.facerec | 1 | 151 | 14.6 | 1 | 151 | 14.6 |
| 188.ammp | 1 | 243 | 10.5 | 1 | 230 | 11.1 |
| 189.lucas | 1 | 146 | 15.9 | 1 | 146 | 15.9 |
| 191.fma3d | 1 | 167 | 14.6 | 1 | 167 | 14.6 |
| 200.sixtrack | 1 | 187 | 6.82 | 1 | 187 | 6.83 |
| 301.apsi | 1 | 232 | 13.0 | 1 | 232 | 13.0 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon processor 7041 (3.0GHz, 2x2MB L2, 800MHz bus) |
| CPU MHz: | 3000 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled) |
| CPU(s) orderable: | 1,2,4 |
| 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: | 16x2048MB PC2-3200 dual-rank |
| Disk Subsystem: | 1x36GB SAS |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Enterprise SP1 |
| Compiler: | Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)<br>Intel Fortran Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)<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 for Fortran programs: -fast -Qansi_alias +FDO
Base tuning for C programs:       -fast              +FDO shlw32M.lib
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise:  -fast -Qansi_alias                 +FDO
  171.swim:     -fast                              +FDO ONESTEP=yes
  172.mgrid:    -fast -Qansi_alias                 +FDO
  173.applu:    basepeak=1
  177.mesa:     -fast                              +FDO ONESTEP=yes
  178.galgel:   basepeak=1
  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:     -fast -Qansi_alias                 +FDO
```

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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
Other Configuration Notes
  /NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.
```