# CFP2000 Result

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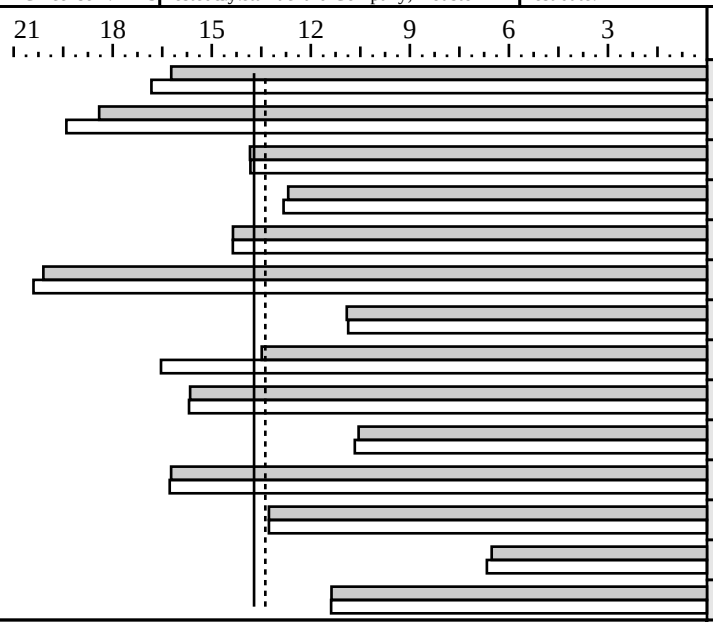
## Hewlett Packard Company
## ProLiant DL360 G3(3.06GHz, Intel Xeon)

SPECfp_rate2000 = 13.7

SPECfp_rate_base2000 = 13.4

SPEC license #: 3 Tested by: Hewlett-Packard Company, Houston TX Test date: Jun-2003 Hardware Avail: Jul-2003 Software Avail: Mar-2003




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 1 | 114 | 16.2 | 1 | 110 | 16.8 |
| 171.swim | 1 | 195 | 18.4 | 1 | 185 | 19.4 |
| 172.mgrid | 1 | 151 | 13.8 | 1 | 151 | 13.8 |
| 173.applu | 1 | 192 | 12.7 | 1 | 190 | 12.8 |
| 177.mesa | 1 | 113 | 14.4 | 1 | 113 | 14.4 |
| 178.galgel | 1 | 167 | 20.1 | 1 | 165 | 20.4 |
| 179.art | 1 | 276 | 10.9 | 1 | 278 | 10.9 |
| 183.equake | 1 | 112 | 13.5 | 1 | 91.2 | 16.5 |
| 187.facerec | 1 | 141 | 15.7 | 1 | 140 | 15.7 |
| 188.ammp | 1 | 242 | 10.6 | 1 | 239 | 10.7 |
| 189.lucas | 1 | 143 | 16.2 | 1 | 143 | 16.3 |
| 191.fma3d | 1 | 184 | 13.3 | 1 | 184 | 13.3 |
| 200.sixtrack | 1 | 196 | 6.52 | 1 | 191 | 6.67 |
| 301.apsi | 1 | 265 | 11.4 | 1 | 265 | 11.4 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (3.06GHz, 533MHz bus) |
| CPU MHz: | 3066 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 1 core/chip |
| CPU(s) orderable: | 1,2 |
| Parallel: | No |
| Primary Cache: | 12KBI + 8KBD on chip |
| Secondary Cache: | 512KB(I+D) on chip |
| L3 Cache: | 1024KB(I+D) on chip |
| Other Cache: | N/A |
| Memory: | 4x512MB PC2100 |
| Disk Subsystem: | 2x36.4GB U320 15K |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows 2000 Server (Build 2195 SP3) |
| Compiler: | Intel C++ Compiler 7.0 Build 20021028Z<br>Microsoft Visual Studio .NET (for libraries)<br>Intel Fortran Compiler 7.0 build 20021028Z<br>MicroQuill Smartheap Library 6.03 |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning: -QxW -Qipo -O3 +FDO
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise:    -Qipo -QxW  +FDO
171.swim:       -Qipo -QxW  -O3 +FDO
172.mgrid:      -Qipo -QaxW -O3 +FDO
173.applu:      -Qipo -QxW  -O3 -Qscalar_rep- +FDO
177.mesa:       -Qipo -QxW  -O3 +FDO
178.galgel:     -Qipo -QxW  -O3 +FDO
                 LIBS=libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
                 libm.lib LIBC.lib libirc.lib OLDNAMES.lib
179.art:        -Qipo -Oa -Qunroll4 -Zp4
183.equake:     -Qipo -QxW  -Oa +FDO shlw32M.lib
187.facerec:    -Qipo -QxW  -O3 -Qunroll1 -Qscalar_rep- +FDO
                 LIBS=libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
```

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## Notes/Tuning Information (Continued)

```
                libm.lib LIBC.lib libirc.lib OLDNAMES.lib
    188.ammp:       -QxW  -Oa
    189.lucas:      -Qipo -QaxW
    191.fma3d:      basepeak=1
    200.sixtrack:   -Qipo -QxW  +FDO
    301.apsi:       -Qipo -QxW  -O3 +FDO
```