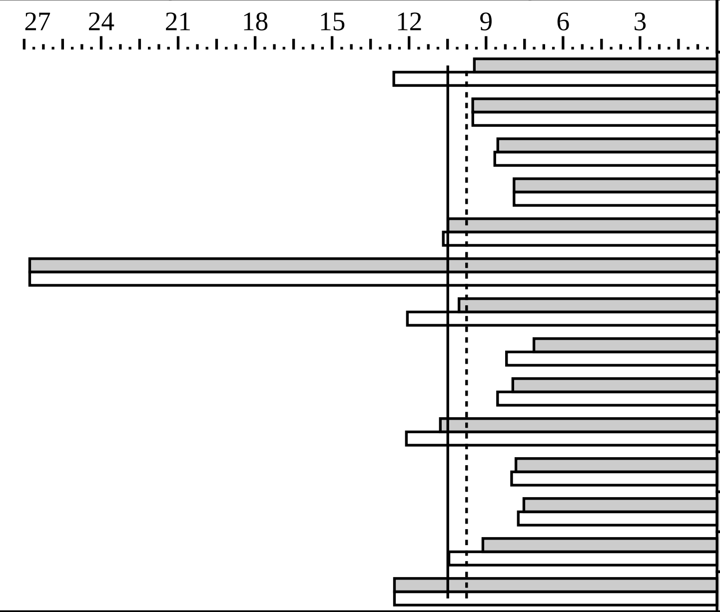
# CFP2000 Result



## Hewlett-Packard Company
## hp workstation j6700

SPECfp_rate2000 = 10.5
SPECfp_rate_base2000 = 9.76

| SPEC license #: 3 | Tested by: HP Fort Collins, CO | Test date: Mar-2001 | Hardware Avail: Jul-2001 | Software Avail: Jul-2001 |
|---|---|---|---|---|




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 2 | 393 | 9.46 | 2 | 295 | 12.6 |
| 171.swim | 2 | 756 | 9.52 | 2 | 756 | 9.52 |
| 172.mgrid | 2 | 489 | 8.54 | 2 | 482 | 8.66 |
| 173.applu | 2 | 616 | 7.91 | 2 | 616 | 7.91 |
| 177.mesa | 2 | 310 | 10.5 | 2 | 305 | 10.7 |
| 178.galgel | 2 | 251 | 26.8 | 2 | 251 | 26.8 |
| 179.art | 2 | 600 | 10.1 | 2 | 500 | 12.1 |
| 183.equake | 2 | 423 | 7.13 | 2 | 368 | 8.20 |
| 187.facerec | 2 | 554 | 7.96 | 2 | 515 | 8.55 |
| 188.ammp | 2 | 473 | 10.8 | 2 | 422 | 12.1 |
| 189.lucas | 2 | 592 | 7.84 | 2 | 580 | 8.00 |
| 191.fma3d | 2 | 647 | 7.53 | 2 | 629 | 7.74 |
| 200.sixtrack | 2 | 280 | 9.12 | 2 | 244 | 10.4 |
| 301.apsi | 2 | 480 | 12.6 | 2 | 480 | 12.6 |

### Hardware

| | |
|---|---|
| CPU: | PA-8700 |
| CPU MHz: | 750 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 2 chips, 1 core/chip |
| CPU(s) orderable: | 2 |
| Parallel: | -- |
| Primary Cache: | 768KBI + 1536KBD (on chip) |
| Secondary Cache: | none |
| L3 Cache: | none |
| Other Cache: | none |
| Memory: | 1GB |
| Disk Subsystem: | 1 x 18 GB LVD |
| Other Hardware: | -- |

### Software

| | |
|---|---|
| Operating System: | HP-UX 11.0 |
| Compiler: | HP ANSI C 11.11.02<br>HP Fortran90 B.11.01.40 |
| File System: | HP-UX VxFS |
| System State: | Multi-user |

## Notes/Tuning Information

```
Portability Flags:
  178.galgel:  +source=fixed
Base Flags:
  f90: +O3 +Onofltacc -Wl,-a,archive -Wl,+FPD
  C:   +I/+P +O4 +Odataprefetch -Wl,-a,archive
Peak flags same as base for 173.applu, 178.galgel, 301.apsi
Peak Flags:
  All:          -Wl,+FPD -Wl,-a,archive
  168.wupwise: +cat +O3 +Odataprefetch +Onofltacc
  171.swim:    +O3 +Onolimit +Oinline_budget=1000
  172.mgrid:   +O3 +Ocache_pad_common +Oloop_unroll=6
               +Oinline_budget=10
  177.mesa:    +I/+P +Oall +Odataprefetch +Opromote_indirect_calls
  179.art:     +I/+P +Oall +Onodataprefetch +Onofltacc
               +Optrs_strongly_typed +Opromote_indirect_calls
  183.equake:  +O4 +Olibcalls +Odataprefetch +Optrs_strongly_typed
               +Opromote_indirect_calls
```

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|---|---|---|---|---|

## Notes/Tuning Information (Continued)

```
  187.facerec: +cat +O3 +Ofastaccess
  188.ammp:    +I/+P +Oall +Odataprefetch +Optrs_strongly_typed
               +Opromote_indirect_calls
  189.lucas:   +O3 +Onoinline
  191.fma3d:   +O3 +Onolimit
  200.sixtrack: +cat +O3 +Onolibcalls +Onolimit +Onoinline
                +Onodataprefetch
  ONESTEP=true for 168.wupwise, 187.facerec, 200.sixtrack
System tunables:
vps_pagesize 4096, vps_ceiling 4096
dbc_min_pct 15, dbc_max_pct 15
```