



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company  
hp workstation c3650

SPECfp2000 = 542  
SPECfp\_base2000 = 482

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Dec-2001 Hardware Avail: Nov-2001 Software Avail: Jan-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	471	340	282	568
171.swim	3100	338	917	338	917
172.mgrid	1800	342	526	342	526
173.applu	2100	333	630	333	630
177.mesa	1400	353	396	349	401
178.galgel	2900	223	1301	223	1301
179.art	2600	450	577	297	877
183.quake	1300	353	368	255	510
187.facerec	1900	566	336	551	345
188.amp	2200	505	435	433	508
189.lucas	2000	529	378	503	398
191.fma3d	2100	655	321	639	329
200.sixtrack	1100	326	338	289	381
301.apsi	2600	479	543	479	543

### Hardware

CPU: PA-8700  
CPU MHz: 625  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 0.75MB(I) + 1.5MB(D) on chip  
Secondary Cache: None  
L3 Cache: None  
Other Cache: None  
Memory: 2GB (4x512MB DIMMs)  
Disk Subsystem: 1x18 GB SCSI  
Other Hardware:

### Software

Operating System: HP-UX 11i TCOE B.11.11.0109  
PHKL\_24779 LVM Cumulative Patch  
Compiler: HP ANSI C B11.11.04  
Fortran90 B11.11.47  
PHSS\_24207 libm patch  
File System: VxFS  
System State: Multi-user

## Notes/Tuning Information

Portability flags:  
178.galgel: +source=fixed

Baseline compile flags:  
fortran: +O3 +Onofltacc -Wl,-a,archive -Wl,+FPD  
C : +I/+P +O4 +Odataprefetch -Wl,-a,archive

Peak compile flags:  
168.wupwise: (ONESTEP) +cat +O3 +Odataprefetch +Onofltacc  
-Wl,+FPD -Wl,-a,archive  
171.swim: basepeak=true  
172.mgrid: basepeak=true  
173.applu: basepeak=true  
177.mesa: +I/+P +Oall +Odataprefetch +Opromote\_indirect\_calls  
-Wl,+FPD -Wl,-a,archive  
178.galgel: basepeak=true



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company  
hp workstation c3650

SPECfp2000 = 542  
SPECfp\_base2000 = 482

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Dec-2001 | Hardware Avail: Nov-2001 | Software Avail: Jan-2002

## Notes/Tuning Information (Continued)

```
179.art: +I/+P +Oall +Onodataprefetch +Onofltacc +Optrs_strongly_typed
        +Opromote_indirect_calls -Wl,+FPD -Wl,-a,archive
183.equake: +O4 +Olibcalls +Odataprefetch +Optrs_strongly_typed
        +Opromote_indirect_calls -Wl,+FPD -Wl,-a,archive
187.facerec: (ONESTEP) +cat +O3 +Ofastaccess -Wl,+FPD -Wl,-a,archive
188.ammp: +I/+P +Oall +Odataprefetch +Optrs_strongly_typed
        +Opromote_indirect_calls -Wl,+FPD -Wl,-a,archive
189.lucas: +O3 +Onoinline -Wl,+FPD -Wl,-a,archive
191.fma3d: +O3 +Onolimit -Wl,+FPD -Wl,-a,archive
200.sixtrack: (ONESTEP) +cat +O3 +Onolibcalls +Onolimit +Onoinline
        +Onodataprefetch -Wl,+FPD -Wl,-a,archive
301.apsi: basepeak=true
```

Operating system configuration notes:

```
vps_pagesize 4096, vps_ceiling 16384
dbc_min_pct 15, dbc_max_pct 15
maxdsiz 0x7b03a000, maxssiz 256000000
nfile 8192
```