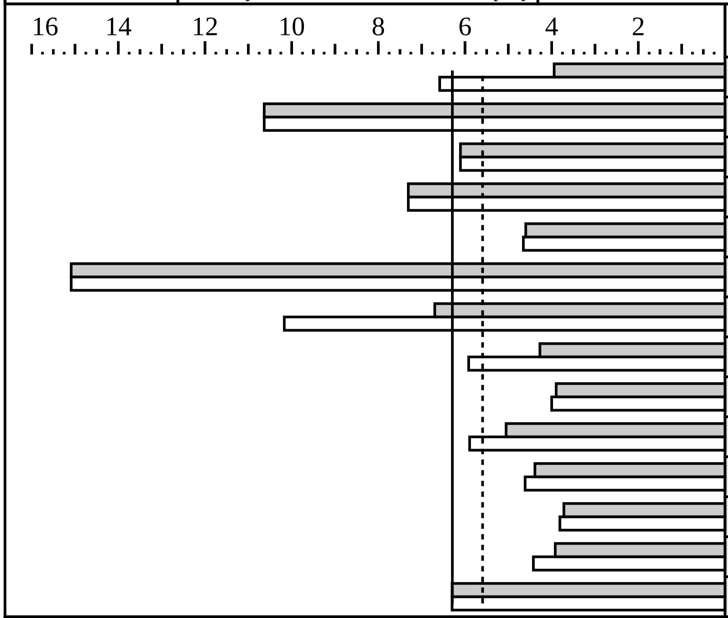
CFP2000 Result

Hewlett-Packard Company
hp workstation c3650

SPECfp_rate2000 = 6.29
SPECfp_rate_base2000 = 5.59

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	471	3.94	1	282	6.58
171.swim	1	338	10.6	1	338	10.6
172.mgrid	1	342	6.11	1	342	6.11
173.applu	1	333	7.31	1	333	7.31
177.mesa	1	353	4.60	1	349	4.65
178.galgel	1	223	15.1	1	223	15.1
179.art	1	450	6.70	1	297	10.2
183.equake	1	353	4.27	1	255	5.92
187.facerec	1	566	3.90	1	551	4.00
188.ammp	1	505	5.05	1	433	5.89
189.lucas	1	529	4.39	1	503	4.61
191.fma3d	1	655	3.72	1	639	3.81
200.sixtrack	1	326	3.92	1	289	4.42
301.apsi	1	479	6.30	1	479	6.30

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
```

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
```