CFP2000 Result

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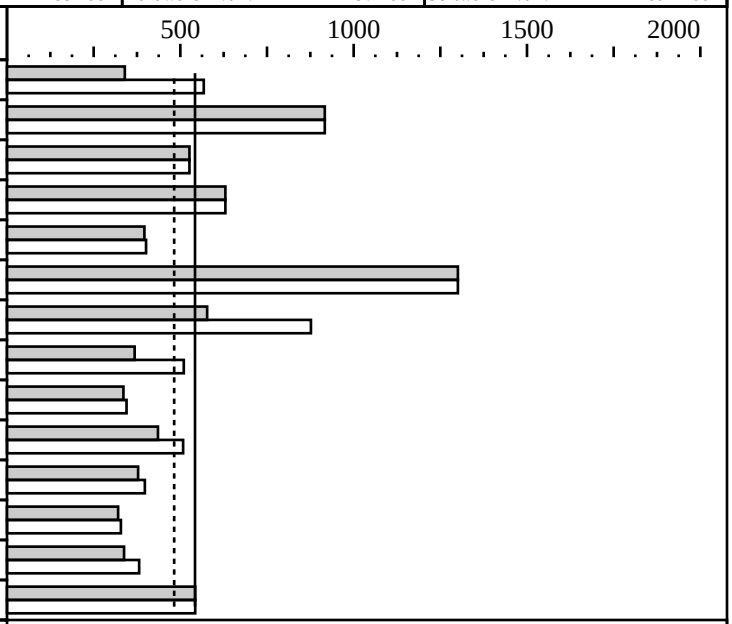
Hewlett-Packard Company
hp workstation c3650

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.equake	1300	353	368	255	510
187.facerec	1900	566	336	551	345
188.ammp	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
```

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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
```