CFP2000 Result

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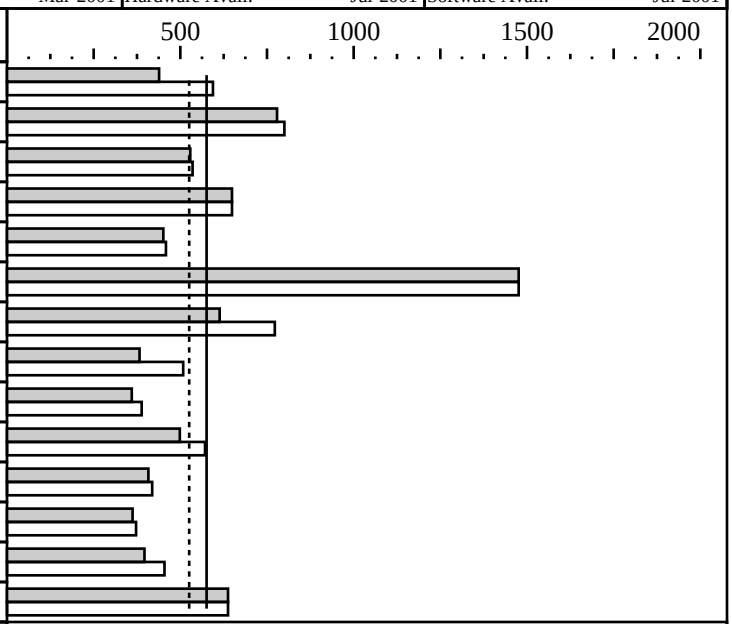
Hewlett-Packard Company
hp workstation c3700

SPECfp2000 = 576

SPECfp_base2000 = 526

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	365	439	269	594
171.swim	3100	398	779	387	800
172.mgrid	1800	340	529	336	535
173.applu	2100	324	649	324	649
177.mesa	1400	310	451	305	458
178.galgel	2900	196	1476	196	1476
179.art	2600	424	613	337	773
183.equake	1300	340	382	256	508
187.facerec	1900	528	360	489	388
188.ammp	2200	441	499	385	571
189.lucas	2000	490	408	478	419
191.fma3d	2100	580	362	564	372
200.sixtrack	1100	277	397	242	454
301.apsi	2600	408	638	408	638



Hardware

CPU:	PA-8700
CPU MHz:	750
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	768KBI + 1536KBD (on chip)
Secondary Cache:	none
L3 Cache:	none
Other Cache:	none
Memory:	512MB
Disk Subsystem:	1 x 18 GB LVD
Other Hardware:	--

Software

Operating System:	HP-UX 11.0
Compiler:	HP ANSI C 11.11.02 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
```