CFP2000 Result

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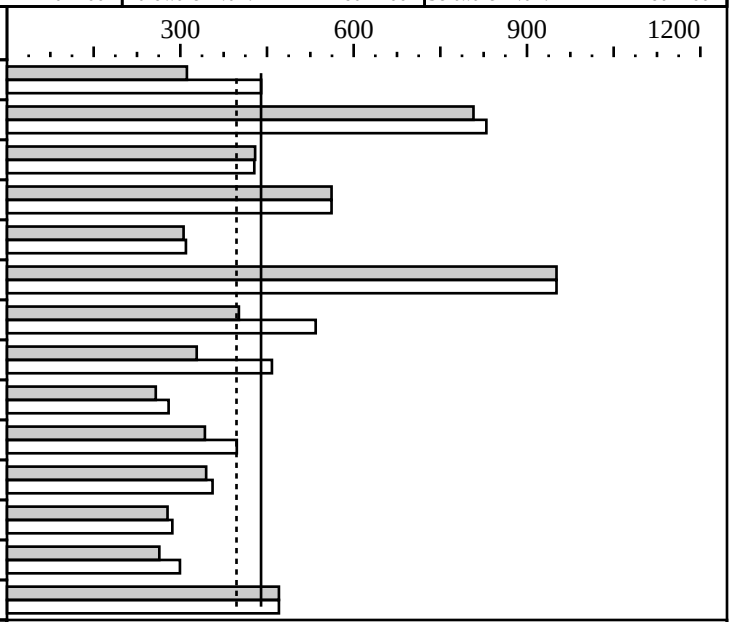
Hewlett-Packard Company
hp workstation b2600

SPECfp2000 = 440

SPECfp_base2000 = 397

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	514	311	364	440
171.swim	3100	384	807	374	830
172.mgrid	1800	419	429	421	428
173.applu	2100	374	562	374	562
177.mesa	1400	458	306	452	310
178.galgel	2900	305	951	305	951
179.art	2600	648	401	487	534
183.equake	1300	396	328	284	459
187.facerec	1900	738	257	679	280
188.ammp	2200	642	343	553	398
189.lucas	2000	580	345	562	356
191.fma3d	2100	756	278	734	286
200.sixtrack	1100	417	264	367	299
301.apsi	2600	552	471	552	471



Hardware

CPU:	PA-8600
CPU MHz:	500
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	--
Primary Cache:	0.5MBI + 1.0MBD (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 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 25, dbc_max_pct 25
```