CFP2000 Result

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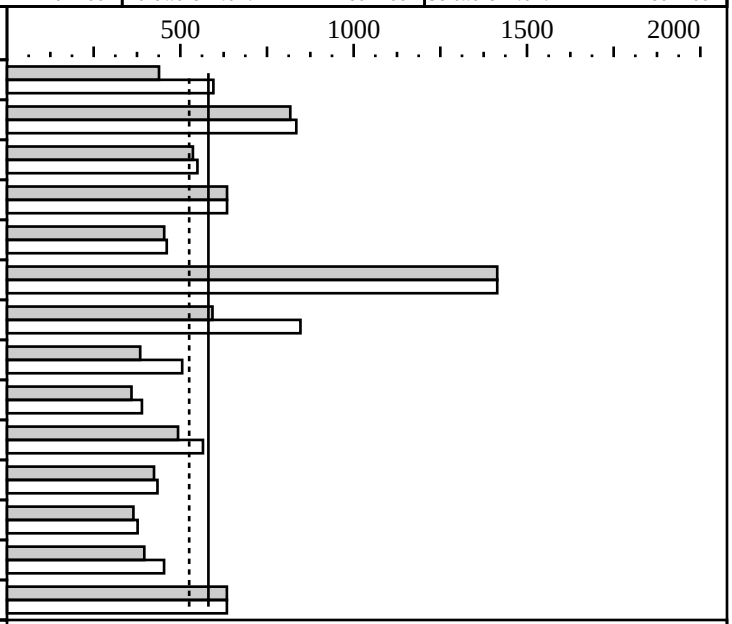
Hewlett-Packard Company
hp workstation j6700

SPECfp2000 = 581

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	595
171.swim	3100	379	817	371	835
172.mgrid	1800	336	536	328	549
173.applu	2100	331	635	331	635
177.mesa	1400	309	453	304	461
178.galgel	2900	205	1414	205	1414
179.art	2600	439	593	307	846
183.equake	1300	338	384	257	505
187.facerec	1900	529	359	488	389
188.ammp	2200	446	493	389	565
189.lucas	2000	472	424	461	434
191.fma3d	2100	576	365	557	377
200.sixtrack	1100	278	396	243	453
301.apsi	2600	410	634	410	634



Hardware

CPU:	PA-8700
CPU MHz:	750
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	2
Parallel:	--
Primary Cache:	768KBI + 1536KBD (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 15, dbc_max_pct 15
2nd processor disabled at boot - co cpu 1 OFF
```