CFP2000 Result

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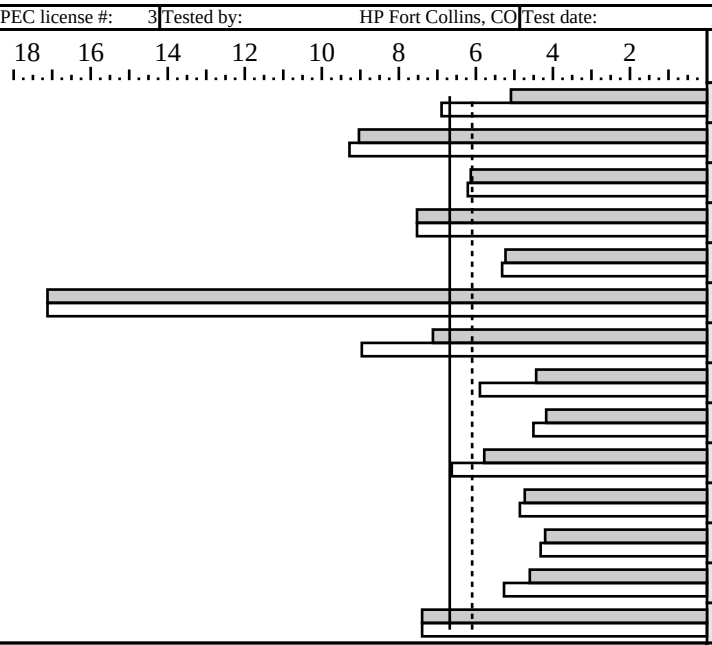
Hewlett-Packard Company
hp workstation c3700

SPECfp_rate2000 = 6.68

SPECfp_rate_base2000 = 6.10

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	365	5.09	1	269	6.89
171.swim	1	398	9.04	1	387	9.28
172.mgrid	1	340	6.13	1	336	6.21
173.applu	1	324	7.53	1	324	7.53
177.mesa	1	310	5.23	1	305	5.32
178.galgel	1	196	17.1	1	196	17.1
179.art	1	424	7.12	1	337	8.96
183.equake	1	340	4.44	1	256	5.90
187.facerec	1	528	4.17	1	489	4.51
188.ammp	1	441	5.78	1	385	6.63
189.lucas	1	490	4.73	1	478	4.86
191.fma3d	1	580	4.20	1	564	4.32
200.sixtrack	1	277	4.60	1	242	5.27
301.apsi	1	408	7.40	1	408	7.40

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
```

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Notes/Tuning Information (Continued)

```
  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
  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
```