



CFP2000 Result

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Hewlett-Packard Company
hp workstation b2600

SPECfp_rate2000 = 5.10

SPECfp_rate_base2000 = 4.61

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	514	3.61	1	364	5.10
171.swim	1	384	9.37	1	374	9.62
172.mgrid	1	419	4.98	1	421	4.96
173.applu	1	374	6.52	1	374	6.52
177.mesa	1	458	3.55	1	452	3.59
178.galgel	1	305	11.0	1	305	11.0
179.art	1	648	4.66	1	487	6.20
183.equake	1	396	3.81	1	284	5.32
187.facerec	1	738	2.99	1	679	3.24
188.amp	1	642	3.97	1	553	4.61
189.lucas	1	580	4.00	1	562	4.13
191.fma3d	1	756	3.22	1	734	3.32
200.sixtrack	1	417	3.06	1	367	3.47
301.apsi	1	552	5.46	1	552	5.46

Hardware

CPU: PA8600
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



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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.quake: +O4 +Olibcalls +Odataprefetch +Optrs_strongly_typed
+Opromote_indirect_calls
187.facerec: +cat +O3 +Ofastaccess
188.ammmp: +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
```