



CFP2000 Result

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Hewlett-Packard Company
hp workstation j6750

SPECfp2000 = 651
SPECfp_base2000 = 580

SPEC license #: 3 Tested by: HP Test date: Oct-2002 Hardware Avail: Nov-2002 Software Avail: Aug-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	364	439	224	715
171.swim	3100	363	854	363	854
172.mgrid	1800	318	565	318	565
173.applu	2100	322	652	322	652
177.mesa	1400	201	697	201	695
178.galgel	2900	187	1553	187	1553
179.art	2600	414	627	244	1064
183.earthquake	1300	323	402	250	520
187.facerec	1900	447	425	432	440
188.ammmp	2200	407	540	359	613
189.lucas	2000	446	448	428	467
191.fma3d	2100	530	396	525	400
200.sixtrack	1100	233	472	206	534
301.apsi	2600	386	674	386	674

Hardware

CPU: PA-8700+
CPU MHz: 875
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1 to 2
Parallel: No
Primary Cache: 0.75MB(I) + 1.5MB(D) on chip
Secondary Cache: None
L3 Cache: None
Other Cache: None
Memory: 1GB (4x256MB DIMMs total)
Disk Subsystem: 1x36 GB SCSI 15K
Other Hardware: None

Software

Operating System: HP-UX 11i TCOE B.11.11.0206
Compiler: HP ANSI C 11.11.04 (Dec 2001 bundle)
HP aC++ Compiler C.03.33.01 (Dec 2001 bundle)
Fortran90 11.11.47 (patch PHSS_25772)
PHSS_24207 libm patch
File System: VxFS
System State: Multi-user

Notes/Tuning Information

Portability flags:
178.galgel: +source=fixed

Baseline compile flags:
fortran: +O3 +Onofltacc -Wl,-a,archive -Wl,+FPD
C : +I/+P +O4 +Odataprefetch -Wl,-a,archive

Peak compile flags:
168.wupwise: (ONESTEP) +cat +O3 +Odataprefetch +Onofltacc
-Wl,+FPD -Wl,-a,archive
171.swim: basepeak=true
172.mgrid: basepeak=true
173.applu: basepeak=true
177.mesa: +I/+P +Oall +Odataprefetch +Opromote_indirect_calls
-Wl,+FPD -Wl,-a,archive
178.galgel: basepeak=true



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Notes/Tuning Information (Continued)

```
179.art: +I/+P +Oall +Odataprefetch +Onofltacc +Optrs_strongly_typed
        +Opromote_indirect_calls -Wl,+FPD -Wl,-a,archive
183.quake: +O4 +Olibcalls +Odataprefetch +Optrs_strongly_typed
        +Opromote_indirect_calls -Wl,+FPD -Wl,-a,archive
187.facerec: (ONESTEP) +cat +O3 +Ofastaccess -Wl,+FPD -Wl,-a,archive
188.ammp: +I/+P +Oall +Odataprefetch +Optrs_strongly_typed
        +Opromote_indirect_calls -Wl,+FPD -Wl,-a,archive
189.lucas: +O3 +Onoinline -Wl,+FPD -Wl,-a,archive
191.fma3d: +O3 +Onolimit -Wl,+FPD -Wl,-a,archive
200.sixtrack: (ONESTEP) +cat +O3 +Onolibcalls +Onolimit +Onoinline
        +Odataprefetch -Wl,+FPD -Wl,-a,archive
301.apsi: basepeak=true
```

Operating system configuration notes:

```
vps_pagesize 4096, vps_ceiling 16384
dbc_min_pct=20, dbc_max_pct=20
maxssiz=0x10000000
second CPU disabled at boot: co cpu 1 off
```