



CFP2000 Result

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Hewlett-Packard Company
hp workstation j6750

SPECfp_rate2000 = 11.5
SPECfp_rate_base2000 = 10.6

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	396	9.36	2	253	14.7
171.swim	2	757	9.50	2	757	9.50
172.mgrid	2	487	8.58	2	487	8.58
173.applu	2	614	7.93	2	614	7.93
177.mesa	2	203	16.0	2	203	16.0
178.galgel	2	232	29.0	2	232	29.0
179.art	2	525	11.5	2	426	14.1
183.equake	2	418	7.22	2	365	8.26
187.facerec	2	478	9.21	2	464	9.50
188.amp	2	438	11.6	2	387	13.2
189.lucas	2	591	7.86	2	562	8.25
191.fma3d	2	618	7.88	2	606	8.03
200.sixtrack	2	235	10.9	2	208	12.3
301.apsi	2	473	12.8	2	473	12.8

Hardware

CPU: PA-8700+
CPU MHz: 875
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 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: 4GB (8x512MB DIMMS total)
Disk Subsystem: 1x18 GB SCSI
Other Hardware: None

Software

Operating System: HP-UX 11i TCOE B.11.11.0206.5
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)

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179.art: +I/+P +Oall +Onodataprefetch +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
        +Onodataprefetch -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
```