CFP2000 Result

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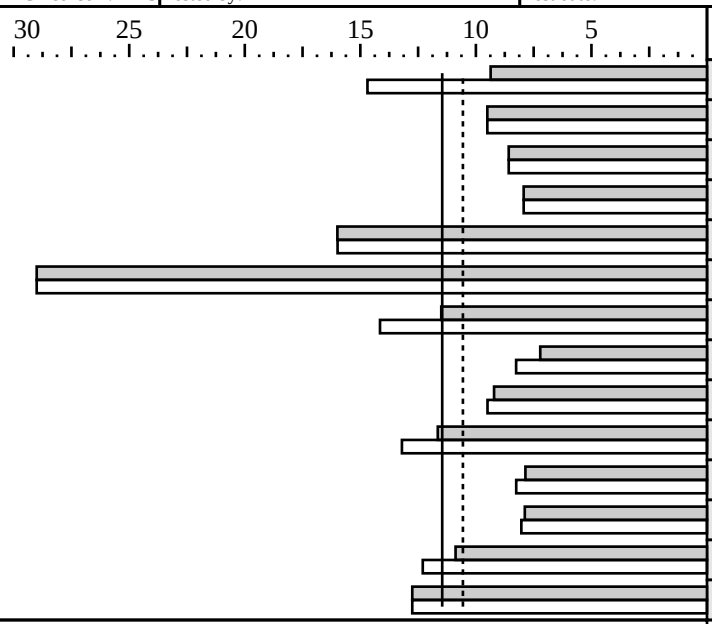
Hewlett-Packard Company
hp workstation j6750

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.ammp	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)

```
    179.art: +I/+P +Oall +Onodataprefetch +Onofltacc +Optrs_strongly_typed
             +Opromote_indirect_calls -Wl,+FPD -Wl,-a,archive
    183.equake: +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
```