CFP2000 Result

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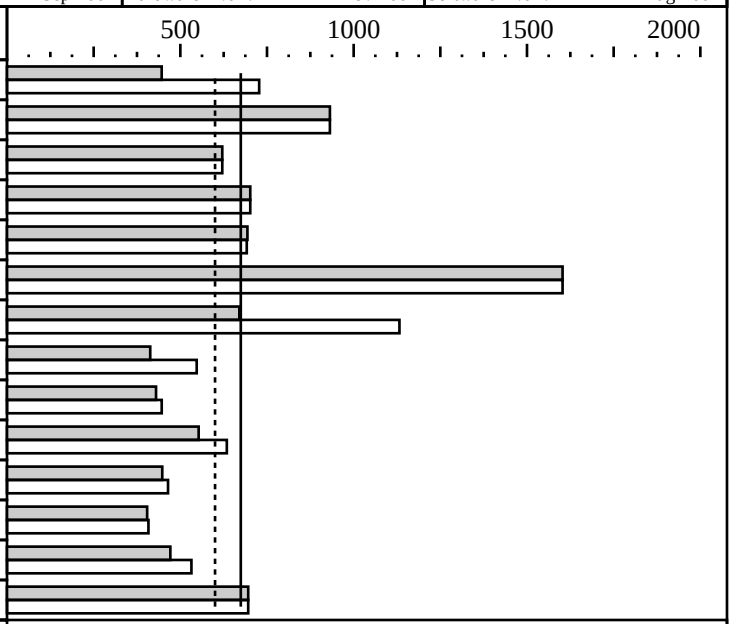
Hewlett-Packard Company
hp workstation c3750

SPECfp2000 = 674

SPECfp_base2000 = 600

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	359	446	220	727
171.swim	3100	333	931	333	931
172.mgrid	1800	290	621	290	621
173.applu	2100	299	702	299	702
177.mesa	1400	202	694	202	692
178.galgel	2900	181	1603	181	1603
179.art	2600	388	670	230	1132
183.equake	1300	315	413	238	547
187.facerec	1900	442	430	426	446
188.ammp	2200	398	553	347	634
189.lucas	2000	447	448	431	465
191.fma3d	2100	519	404	515	408
200.sixtrack	1100	233	471	207	532
301.apsi	2600	374	696	374	696



Hardware

CPU:	PA-8700+
CPU MHz:	875
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	0.75MB(I) + 1.5MB(D) on chip
Secondary Cache:	None
L3 Cache:	None
Other Cache:	None
Memory:	3GB (4x256MB, 4x512MB DIMMs total)
Disk Subsystem:	1x18,1x36 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
```