CFP2000 Result

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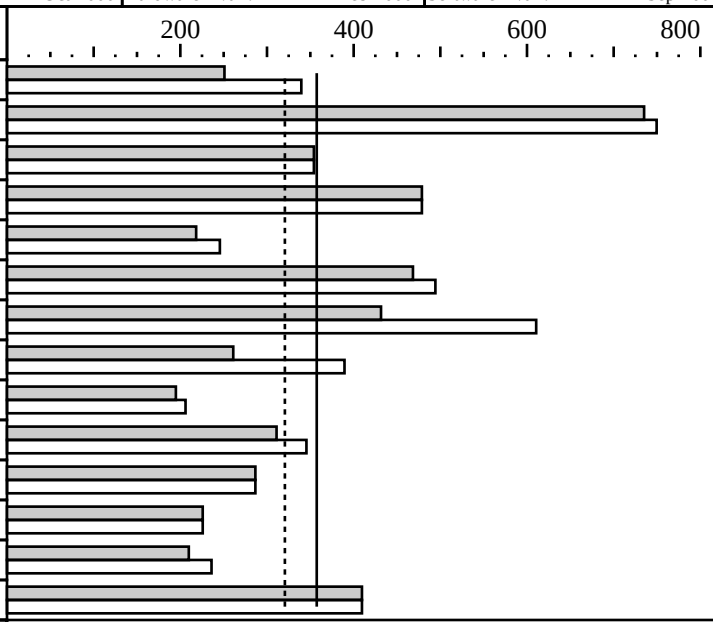
Hewlett-Packard Company
hp visualize b2000 UNIX workstation

SPECfp2000 = 357

SPECfp_base2000 = 321

SPEC license #: 3 | Tested by: HP TCL Fort Collins CO | Test date: Oct-2000 | Hardware Avail: Feb-2000 | Software Avail: Sep-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	638	251	471	340
171.swim	3100	422	735	414	750
172.mgrid	1800	508	354	508	354
173.applu	2100	439	479	439	479
177.mesa	1400	641	218	570	246
178.galgel	2900	619	468	587	494
179.art	2600	602	432	426	611
183.equake	1300	498	261	334	389
187.facerec	1900	975	195	922	206
188.ammp	2200	707	311	637	346
189.lucas	2000	698	287	698	287
191.fma3d	2100	930	226	930	226
200.sixtrack	1100	524	210	466	236
301.apsi	2600	635	410	635	410



Hardware

CPU:	400 MHz PA-8500
CPU MHz:	400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	--
Primary Cache:	500KBI+1MBD (on chip)
Secondary Cache:	none
L3 Cache:	none
Other Cache:	None
Memory:	2GB
Disk Subsystem:	1x9Gbye 10000RPM + 1x9Gbyte LVD 10000RPM
Other Hardware:	--

Software

Operating System:	HP-UX B.11.0
Compiler:	HP-UX f90 20000928 (181730) B.11.01.25 HP92453-01 A.11.01.21505.GP HP C Compiler HP-UX f77 971027 (162928) B.11.00.01
File System:	HP-UX VxFS
System State:	Multi-user

Notes/Tuning Information

```
Portability flags:
cc: -Ae
178.galgel: +source=fixed

Base flags:
f90: +O3 +Onofltacc -Wl,-a,archive -Wl,+FPD
cc: +Oall +Odataprefetch -Wl,-a,archive +I/+P

Peak flags:
Peak flags = base flags for: 172.mgrid, 173.applu, 189.lucas, 191.fma3d and 301.apsi
168.wupwise: f77 +DA2.0 +DS2.0 +O4 +Odataprefetch +Onofltacc -Wl,+FPD -Wl,-a,archive
171.swim: +O3  +Ocachepadcommon +Oloop_unroll -Wl,+FPD -Wl,-a,archive
177.mesa: +I/+P +Oall +Odataprefetch  +Opromote_indirect_calls -Wl,+FPD -Wl,-a,archive
178.galgel: +Oall +fastallocatable-Wl,+FPD -Wl,-a,archive -llapack
178.galgel: RM_SOURCES = lapak.f90
179.art: +Oall +Onodataprefetch +Onofltacc +I/+P +Optrs_strongly_typed -Wl,+FPD -Wl,-a,archive
183.equake: +Oall +Odataprefetch +Optrs_strongly_typed -Wl,+FPD -Wl,-a,archive
```

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Notes/Tuning Information (Continued)

```
187.facerec: +O2 +Ofastaccess +fastallocatable -Wl,+FPD
       -Wl,-a,archive -Wl,/opt/langtools/lib/fastmem.o
188.ammp: +Oall +Odataprefetch +Optrs_strongly_typed +I/+P  -Wl,+FPD -Wl,-a,archive
200.sixtrack: +Oall +fastallocatable +Onodataprefetch -Wl,+FPD
     -Wl,-a,archive -Wl,/opt/langtools/lib/fastmem.o
Kernel tunables:
vps_pagesize=4096, vps_ceiling=4096, dbc_min_pct=25, dbc_max_pct=25
```