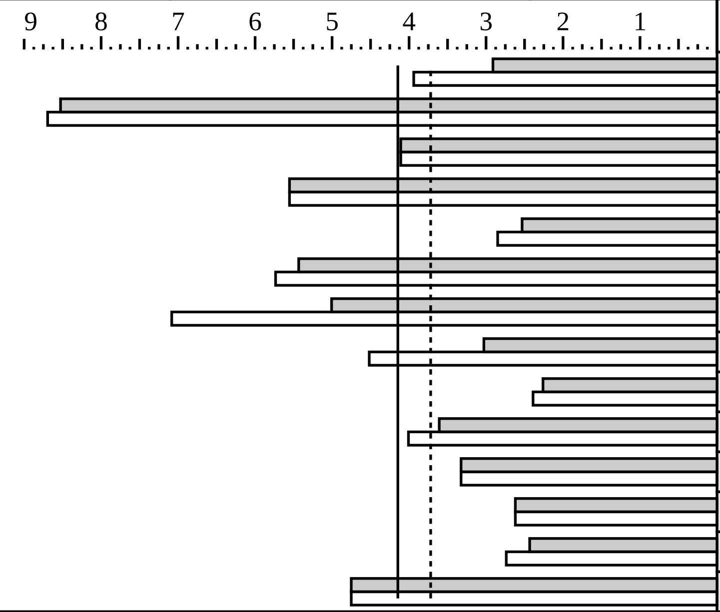
CFP2000 Result

Hewlett-Packard Company
hp visualize b2000 UNIX workstation

SPECfp_rate2000 = 4.15
SPECfp_rate_base2000 = 3.72

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	638	2.91	1	471	3.94
171.swim	1	422	8.53	1	414	8.70
172.mgrid	1	508	4.11	1	508	4.11
173.applu	1	439	5.55	1	439	5.55
177.mesa	1	641	2.53	1	570	2.85
178.galgel	1	619	5.43	1	587	5.73
179.art	1	602	5.01	1	426	7.08
183.equake	1	498	3.03	1	334	4.52
187.facerec	1	975	2.26	1	922	2.39
188.ammp	1	707	3.61	1	637	4.01
189.lucas	1	698	3.32	1	698	3.32
191.fma3d	1	930	2.62	1	930	2.62
200.sixtrack	1	524	2.43	1	466	2.74
301.apsi	1	635	4.75	1	635	4.75

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
```

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
```