CFP2000 Result

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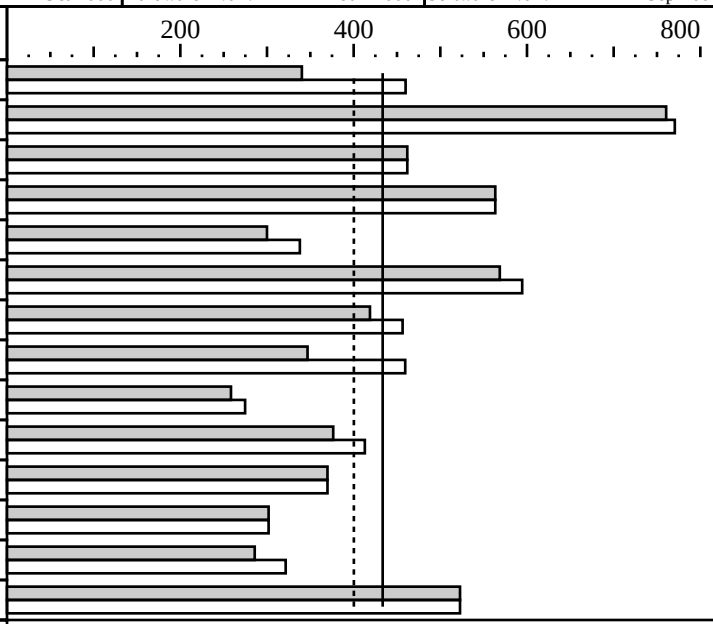
Hewlett-Packard Company
hp visualize j6000 UNIX workstation

SPECfp2000 = 433

SPECfp_base2000 = 400

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	470	340	348	460
171.swim	3100	408	761	402	771
172.mgrid	1800	390	462	390	462
173.applu	2100	373	563	373	563
177.mesa	1400	467	300	414	338
178.galgel	2900	510	569	488	594
179.art	2600	621	419	570	456
183.equake	1300	375	347	283	459
187.facerec	1900	735	258	692	275
188.ammp	2200	584	376	533	413
189.lucas	2000	541	370	541	370
191.fma3d	2100	696	302	696	302
200.sixtrack	1100	385	286	342	322
301.apsi	2600	497	523	497	523



Hardware

CPU:	552 MHz PA-8600
CPU MHz:	552
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	2
Parallel:	--
Primary Cache:	500KBI+1MBD (on chip)
Secondary Cache:	none
L3 Cache:	none
Other Cache:	None
Memory:	8GB
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
              RM_SOURCES = lapak.f90
179.art:     +Oall +Onodataprefetch +I/+P +Onofltacc +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
2nd processor disabled at boot - co cpu 1 OFF
```