CFP2000 Result

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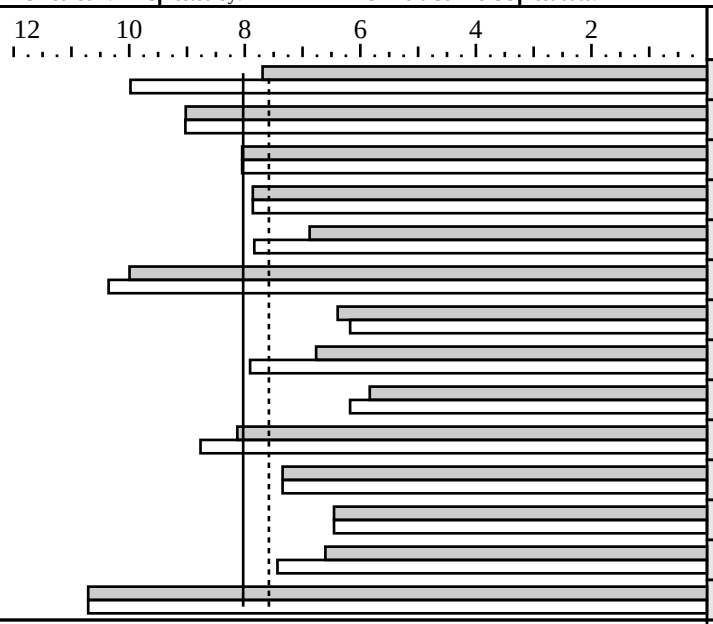
Hewlett-Packard Company
hp visualize j6000 UNIX workstation

SPECfp_rate2000 = 8.03

SPECfp_rate_base2000 = 7.58

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	483	7.69	2	372	9.98
171.swim	2	797	9.02	2	797	9.03
172.mgrid	2	519	8.05	2	519	8.05
173.applu	2	620	7.86	2	620	7.86
177.mesa	2	472	6.88	2	415	7.84
178.galgel	2	673	9.99	2	650	10.4
179.art	2	944	6.39	2	977	6.18
183.equake	2	446	6.77	2	381	7.91
187.facerec	2	755	5.84	2	714	6.18
188.ammp	2	628	8.13	2	582	8.77
189.lucas	2	632	7.35	2	632	7.35
191.fma3d	2	755	6.46	2	755	6.46
200.sixtrack	2	386	6.60	2	343	7.43
301.apsi	2	563	10.7	2	563	10.7

Hardware

CPU:	552 MHz PA-8600
CPU MHz:	552
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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
```