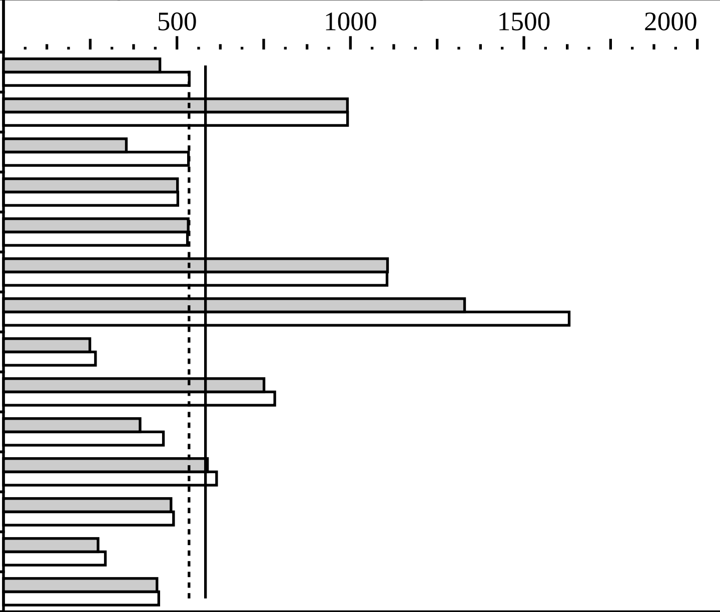
CFP2000 Result

Compaq Computer Corporation
AlphaServer DS20E Model 6/667

SPECfp2000 = 582
SPECfp_base2000 = 535

SPEC license #: 2	Tested by: Compaq NH	Test date: Aug-2001	Hardware Avail: Mar-2000	Software Avail: May-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	355	451	299	535
171.swim	3100	313	991	313	992
172.mgrid	1800	508	354	338	533
173.applu	2100	419	502	418	503
177.mesa	1400	263	532	264	530
178.galgel	2900	262	1107	262	1106
179.art	2600	196	1329	159	1631
183.equake	1300	522	249	490	265
187.facerec	1900	253	751	243	782
188.ammp	2200	559	394	477	461
189.lucas	2000	340	588	326	614
191.fma3d	2100	435	483	428	490
200.sixtrack	1100	404	273	375	294
301.apsi	2600	588	442	581	448



Hardware

CPU:	Alpha 21264A
CPU MHz:	667
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1 to 2
Parallel:	No
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	8MB off chip
L3 Cache:	None
Other Cache:	None
Memory:	512MB (16x32MB)
Disk Subsystem:	1x18GB
Other Hardware:	None

Software

Operating System:	Tru64 UNIX V5.1 UNIX V5.1 Patch Kit 2
Compiler:	Compaq C T6.4-208-46B2F Compaq Fortran V5.4A-1472-46B2F Compaq Fortran 77 V5.4-196-46B2F KAP Fortran 77 V4.1 980926 KAP C V4.1 000607
File System:	AdvFS
System State:	Multi-user

Notes/Tuning Information

```
Baseline   C: cc  -arch ev6 -fast -O4 ONESTEP
     Fortran: f90 -arch ev6 -fast -O5 ONESTEP

Peak:    -g3 -arch ev6 -non_shared ONESTEP plus:
   168.wupwise: kf77 -fast -O4 -pipeline -unroll 2
      171.swim: f90 -fast -O5
     172.mgrid: kf77 -O5 -transform_loops -tune ev6 -unroll 8
     173.applu: f90 -fast -O5
      177.mesa: cc -fast -O4
    178.galgel: f90 -fast -O5
       179.art: kcc -fast -O4 -ckapargs='-arl=4 -ur=4' -unroll 10
    183.equake:  cc -fast -xtaso_short
   187.facerec: f90 -fast -O4
      188.ammp: cc -fast -O4 -xtaso_short
     189.lucas: kf90 -O5 -fkapargs='-ur=1'
     191.fma3d: kf90 -O4
  200.sixtrack: f90 -fast -O5 -assume accuracy_sensitive
```

Notes/Tuning Information (Continued)

```
      301.apsi: kf90 -O5 -transform_loops -unroll 8 -fkapargs='-ur=1'

Portability: galgel: -fixed

Information on UNIX V5.1 Patches can be found at
http://ftp1.service.digital.com/public/unix/v5.1/
```