CFP2000 Result

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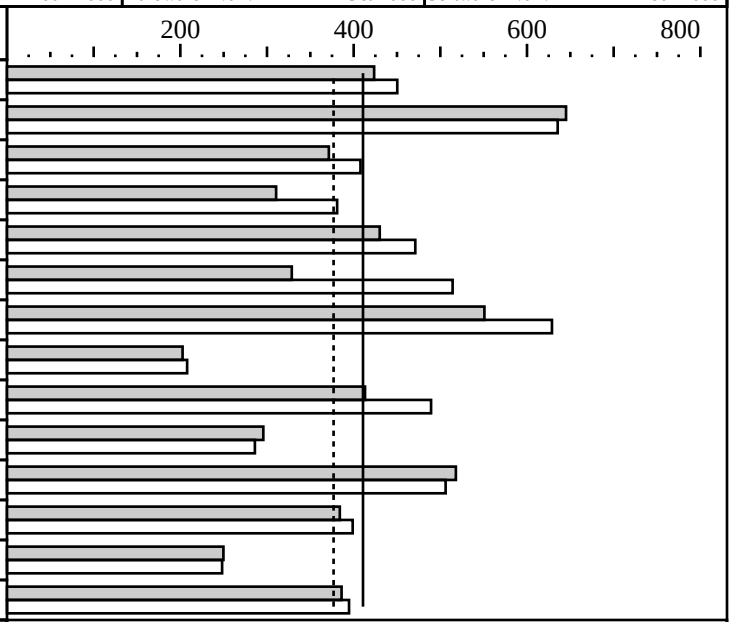
Compaq Computer Corporation
AlphaServer DS10 6/600

SPECfp2000 = 411

SPECfp_base2000 = 377

SPEC license #: 2 | Tested by: Compaq NH | Test date: Jun-2000 | Hardware Avail: Oct-2000 | Software Avail: Jul-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	378	424	355	450
171.swim	3100	481	645	488	635
172.mgrid	1800	485	371	441	408
173.applu	2100	676	311	551	381
177.mesa	1400	326	430	297	471
178.galgel	2900	883	329	564	514
179.art	2600	472	551	413	629
183.equake	1300	642	203	625	208
187.facerec	1900	460	413	388	489
188.ammp	2200	744	296	769	286
189.lucas	2000	386	518	395	506
191.fma3d	2100	547	384	526	399
200.sixtrack	1100	440	250	443	248
301.apsi	2600	673	386	659	395



Hardware

CPU:	Alpha 21264A
CPU MHz:	616
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	2MB off chip
L3 Cache:	None
Other Cache:	None
Memory:	1GB
Disk Subsystem:	1x9GB RZ2DD-LS
Other Hardware:	Ethernet

Software

Operating System:	Tru64 UNIX V4.0G
Compiler:	Compaq C X6.2-259-449AT Compaq Fortran V5.3 /usr/bin/f77: fort (not fort90) KAP Fortran V4.2 KAP C 4.0
File System:	AdvFS
System State:	Multi-user

Notes/Tuning Information

```
Baseline   C: cc   -arch ev6 -fast -O4 ONESTEP
     Fortran: kf90 -arch ev6 -O5 -fkapargs='-ur=-1' ONESTEP

Peak: -v -g3 -arch ev6 -non_shared ONESTEP plus:
   168.wupwise: f77 -fast -O4 -pipeline -unroll 2
      171.swim: f90 -fast -O5 -transform_loops
     172.mgrid: kf77 -O5 -transform_loops -tune ev6 -unroll 8
     173.applu: f77 -fast -O5 -transform_loops -unroll 14
      177.mesa: cc -fast -O4
    178.galgel: kf90 -O4 -unroll 2 -ldxml
                RM_SOURCES = lapak.f90
       179.art: kcc -fast -O4 -ckapargs='-arl=4 -ur=4' -unroll 10
    183.equake: kcc -fast -ckapargs='-arl=4' -xtaso_short
   187.facerec: f90 -fast -O4
      188.ammp: cc -fast -O4 -xtaso_short
     189.lucas: kf90 -fast -O5 -fkapargs='-ur=1' -unroll 1
     191.fma3d: kf90 -O4
```

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Notes/Tuning Information (Continued)

```
    200.sixtrack: f90 -fast -O5 -transform_loops
        301.apsi: kf90 -O5 -transform_loops -unroll 8 -fkapargs='-ur=1'

Portability: galgel: -fixed
```