



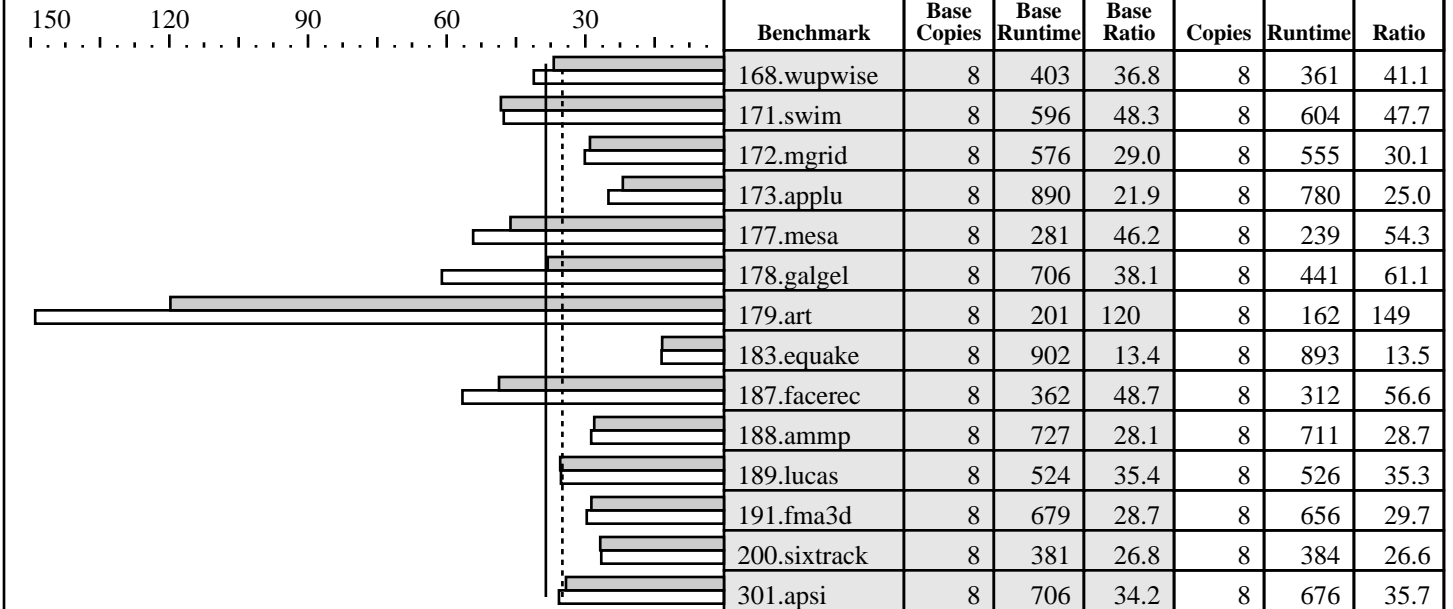
CFP2000 Result

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Compaq Computer Corporation
AlphaServer GS80 Model 6/731

SPECfp_rate2000 = 38.5
SPECfp_rate_base2000 = 34.9

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



Hardware

CPU: Alpha 21264A
 CPU MHz: 731
 FPU: Integrated
 CPU(s) enabled: 8 cores, 8 chips, 1 core/chip
 CPU(s) orderable: 1 to 8
 Parallel: No
 Primary Cache: 64KB(I)+64KB(D) on chip
 Secondary Cache: 4MB off chip per cpu
 L3 Cache: None
 Other Cache: None
 Memory: 128GB
 Disk Subsystem: 9.1GB (ds-rz1da-vw)
 Other Hardware: Ethernet

Software

Operating System: Tru64 UNIX V5.1
 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: ufs
 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: -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.quake: kcc -fast -ckapargs='-arl=4' -xtaso_short
 187.facerec: f90 -fast -O4
 188.amp: 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 -fkpargs='-ur=1'
```

Portability: galgel: -fixed