CFP2000 Result

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Compaq Computer Corporation
AlphaServer ES40 Model 6/833

SPECfp2000 = NC

SPECfp_base2000 = NC

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

SPEC has determined that this result was not in compliance with the SPEC CPU2000 run and reporting rules. Specifically, the result did not meet the 3 month availability requirement in the SPEC CPU2000 run rules due to a change in availability of the system.

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	NC	NC	NC	NC
171.swim	3100	NC	NC	NC	NC
172.mgrid	1800	NC	NC	NC	NC
173.applu	2100	NC	NC	NC	NC
177.mesa	1400	NC	NC	NC	NC
178.galgel	2900	NC	NC	NC	NC
179.art	2600	NC	NC	NC	NC
183.equake	1300	NC	NC	NC	NC
187.facerec	1900	NC	NC	NC	NC
188.ammp	2200	NC	NC	NC	NC
189.lucas	2000	NC	NC	NC	NC
191.fma3d	2100	NC	NC	NC	NC
200.sixtrack	1100	NC	NC	NC	NC
301.apsi	2600	NC	NC	NC	NC

Hardware

CPU:	Alpha 21264A
CPU MHz:	833
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1 to 4
Parallel:	No
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	8MB off chip
L3 Cache:	None
Other Cache:	None
Memory:	8GB
Disk Subsystem:	1x DS-RZ1DA-VW 9GB
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
```


Non-Compliant

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Notes/Tuning Information (Continued)

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

Portability: galgel: -fixed
```

Non-Compliant