CFP2000 Result

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Compaq Computer Corporation
AlphaServer ES40 Model 6/833

SPECfp_rate2000 = NC

SPECfp_rate_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	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	NC	NC	1	NC	NC
171.swim	1	NC	NC	1	NC	NC
172.mgrid	1	NC	NC	1	NC	NC
173.applu	1	NC	NC	1	NC	NC
177.mesa	1	NC	NC	1	NC	NC
178.galgel	1	NC	NC	1	NC	NC
179.art	1	NC	NC	1	NC	NC
183.equake	1	NC	NC	1	NC	NC
187.facerec	1	NC	NC	1	NC	NC
188.ammp	1	NC	NC	1	NC	NC
189.lucas	1	NC	NC	1	NC	NC
191.fma3d	1	NC	NC	1	NC	NC
200.sixtrack	1	NC	NC	1	NC	NC
301.apsi	1	NC	NC	1	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