CINT2000 Result

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Compaq Computer Corporation
AlphaServer ES40 Model 6/833

SPECint2000 = NC

SPECint_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
164.gzip	1400	NC	NC	NC	NC
175.vpr	1400	NC	NC	NC	NC
176.gcc	1100	NC	NC	NC	NC
181.mcf	1800	NC	NC	NC	NC
186.crafty	1000	NC	NC	NC	NC
197.parser	1800	NC	NC	NC	NC
252.eon	1300	NC	NC	NC	NC
253.perlbmk	1800	NC	NC	NC	NC
254.gap	1100	NC	NC	NC	NC
255.vortex	1900	NC	NC	NC	NC
256.bzip2	1500	NC	NC	NC	NC
300.twolf	3000	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 DIGITAL C++ V6.1-029-408B6
File System:	AdvFS
System State:	Multi-user

Notes/Tuning Information

```
Baseline C  : cc  -arch ev6 -fast GEMFB ONESTEP
      C++: cxx -arch ev6 -O2 ONESTEP

GEMFB: fdo_pre0     = mkdir /tmp/pb; rm -f /tmp/pb/${baseexe}*
       PASS1_CFLAGS = -prof_gen_noopt    -prof_dir /tmp/pb
       PASS2_CFLAGS = -prof_use_feedback -prof_dir /tmp/pb
       (base uses directory /tmp/pb; peak uses /tmp/pp)

Peak: cc [except eon: cxx] -v -arch ev6 ONESTEP plus:
     164.gzip: -g3 -fast -O4 +GEMFB
      175.vpr: -g3 -fast -O4 +GEMFB
      176.gcc: -g3 -fast -O4 -xtaso_short +GEMFB
```


Non-Compliant

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Notes/Tuning Information (Continued)

```
    181.mcf: -g3 -fast -xtaso_short +GEMFB
  186.crafty: -g3 -fast -O4 -inline speed
  197.parser: -g3 -fast -O4 -xtaso_short +GEMFB
    252.eon: -O2
253.perlbmk: -g3 -fast +GEMFB
    254.gap: -g3 -fast -O4 +GEMFB
 255.vortex: -g3 -fast +GEMFB
  256.bzip2: -g3 -fast -O4 +GEMFB
  300.twolf: -g3 -fast -O4 +GEMFB

Portability: gcc: -Dalloca=__builtin_alloca; crafty: -DALPHA
perlbmk: -DSPEC_CPU2000_DUNIX; vortex: -DSPEC_CPU2000_LP64
gap: -DSYS_HAS_CALLOC_PROTO -DSYS_IS_BSD -DSYS_HAS_IOCTL_PROTO -DSPEC_CPU2000_LP64
```

Non-Compliant