



CINT2000 Result

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Compaq Computer Corporation
AlphaServer ES40 Model 6/833

SPECint_rate2000 = NC
SPECint_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.

5	4	3	2	1	Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
.....	164.gzip	1	NC	NC	1	NC	NC
.....	175.vpr	1	NC	NC	1	NC	NC
.....	176.gcc	1	NC	NC	1	NC	NC
.....	181.mcf	1	NC	NC	1	NC	NC
.....	186.crafty	1	NC	NC	1	NC	NC
.....	197.parser	1	NC	NC	1	NC	NC
.....	252.eon	1	NC	NC	1	NC	NC
.....	253.perlbnk	1	NC	NC	1	NC	NC
.....	254.gap	1	NC	NC	1	NC	NC
.....	255.vortex	1	NC	NC	1	NC	NC
.....	256.bzip2	1	NC	NC	1	NC	NC
.....	300.twolf	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
 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



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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.perlbnk: -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
perlbnk: -DSPEC_CPU2000_DUNIX; vortex: -DSPEC_CPU2000_LP64
gap: -DSYS_HAS_CALLOC_PROTO -DSYS_IS_BSD -DSYS_HAS_IOCTL_PROTO -DSPEC_CPU2000_LP64