SPEC CINT95 Results

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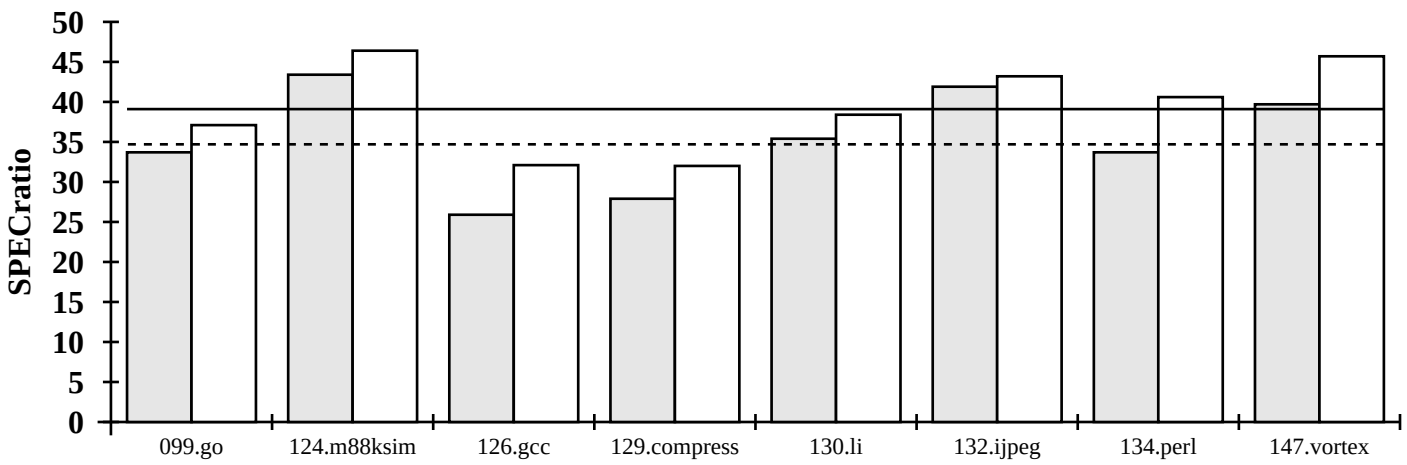
Compaq Computer Corporation
AlphaServer GS140 Model 6/700

SPECint95 = 39.1

SPECint_base95 = 34.7

SPEC license # 2	Tested By: Compaq NH	Test Date: May-99	Hardware Avail: Oct-99	Software Avail: Jul-99



Hardware/Software Configuration for:
AlphaServer GS140 Model 6/700

Hardware

Model Name:	AlphaServer GS140 Model 6/700
CPU:	700 MHz 21264A
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	8MB (I+D) off chip
Other Cache:	none
Memory:	8GB
Disk Subsystem:	2x 4GB
Other Hardware:	Ethernet

Software

Operating System:	Tru64 UNIX V4.0F
Compiler:	Compaq C V6.1-109-4296F protect_headers_setup.sh cc.alt/om 27-Jan-1999
File System:	ufs
System State:	Multi-User

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	136	33.7	124	37.1
124.m88ksim	1900	43.8	43.4	41	46.4
126.gcc	1700	65.7	25.9	53	32.1
129.compress	1800	64.5	27.9	56	32.0
130.li	1900	53.6	35.4	50	38.4
132.ijpeg	2400	57.3	41.9	56	43.2
134.perl	1900	56.4	33.7	47	40.6
147.vortex	2700	68.1	39.7	59	45.7
SPECint_base95 (G. Mean)			34.7		
		SPECint95 (G. Mean)			39.1

Notes/Tuning Information

```
Compiler invocation: cc -std1      Base tuning: -fast -arch ev6 -O4 + GemFB
go:        -g3 -arch ev6 -fast -inline speed -assume whole_program -non_shared +OmFB
m88ksim:   -g3 -arch ev6 -O4 -ifo -unroll 16 -non_shared +GemFB
gcc:       -g1 -arch ev6 -O4 -ifo -xtaso_short -noansi_alias -non_shared +BothFB
compress:  -g3 -arch ev6 -fast -O4 -assume whole_program -non_shared -lsys5 +GemFB
li:        -g1 -arch ev6 -fast -O4 -xtaso_short -speculate all -non_shared -lsys5 +GemFB
ijpeg:     -g3 -arch ev6 -fast -O4 -speculate all -unroll 8 -non_shared -lsys5 +GemFB
perl:      -g3 -arch ev6 -O4 -ifo -non_shared +GemFB
vortex:    -g3 -arch ev6 -fast -O4 -speculate all -non_shared +BothFB

Portability: m88ksim: -DLEHOST; perl: -DI_TIME;  vortex: -D__RISC_64__
GemFB:  PASS1=-prof_gen_noopt -prof_dir /tmp/prof PASS2=-prof_use_feedback    -prof_dir /tmp/prof
OmFB:   PASS1=-prof_gen       -prof_dir /tmp/prof PASS2=-prof_use_om_feedback -prof_dir /tmp/prof
.       fdo_pre1  = rm -f /tmp/prof/*Counts*
BothFB: PASS1=as in GemFB      PASS2=as in GemFB plus -r       fdo_run2  = %command%
.       fdo_pre2  = mv %exename% rr; ld [-taso] -o fb rr -lexc; pixie -pids fb -o %exename%
.       fdo_post2 = ld [-taso] -om rr -o rrom -lexc; prof -pixie -merge fb.Counts fb fb.Addrs
.            fb.Counts.*; /usr/lib/cmplrs/cc.dtk/om [-taso] -om_split_procedures
.            -om_ireorg_feedback fb -o %binary% rrom; rm -Rf /tmp/prof/*
.       [only gcc uses -taso in BothFB]
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