SPEC CINT95 Results

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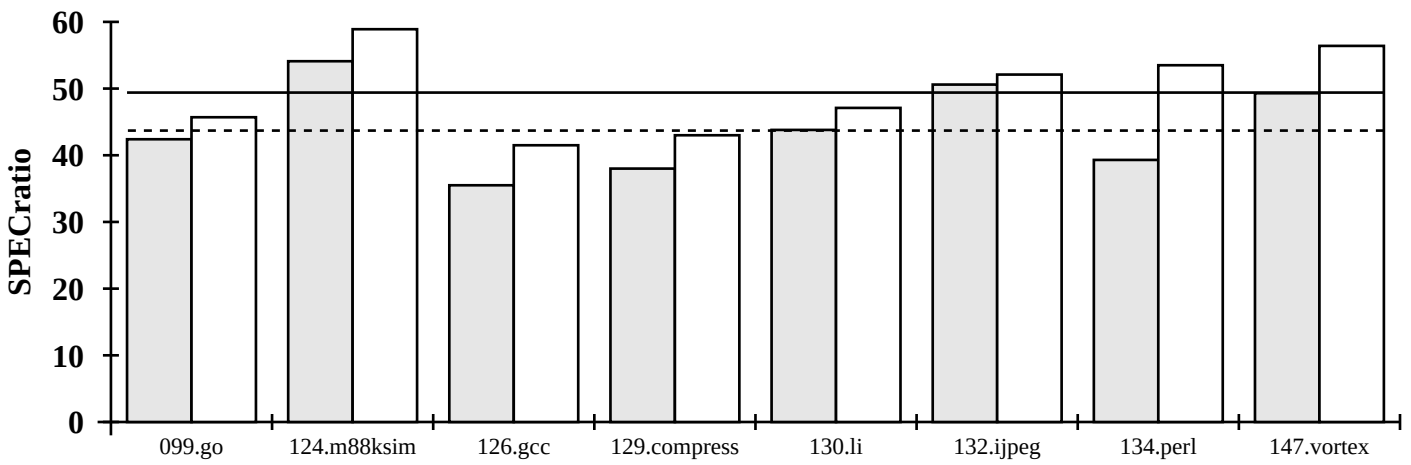
Alpha Processor, Inc.
API UP2000 833 MHz

SPECint95 = 49.4

SPECint_base95 = 43.7

SPEC license # 537	Tested By: Tom Morris	Test Date: 28-Jun-2000	Hardware Avail: Oct-2000	Software Avail: Jul-2000



Hardware/Software Configuration for:
API UP2000 833 MHz

Hardware

Model Name:	API UP2000 833 MHz
CPU:	833 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:	512 MB
Disk Subsystem:	1x 9 GB Ultra2 SCSI
Other Hardware:	Ethernet

Software

Operating System:	Tru64 Unix V4.0F
Compiler:	Compaq C T6.3-120-44A2I 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	109	42.4	101	45.7
124.m88ksim	1900	35.1	54.1	32	58.9
126.gcc	1700	47.9	35.5	41	41.5
129.compress	1800	47.4	38.0	42	43.0
130.li	1900	43.4	43.8	40	47.1
132.ijpeg	2400	47.4	50.6	46	52.1
134.perl	1900	48.4	39.3	36	53.5
147.vortex	2700	54.8	49.3	48	56.4
SPECint_base95 (G. Mean)			43.7		
		SPECint95 (G. Mean)			49.4

Notes/Tuning Information

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

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