SPEC CINT95 Results

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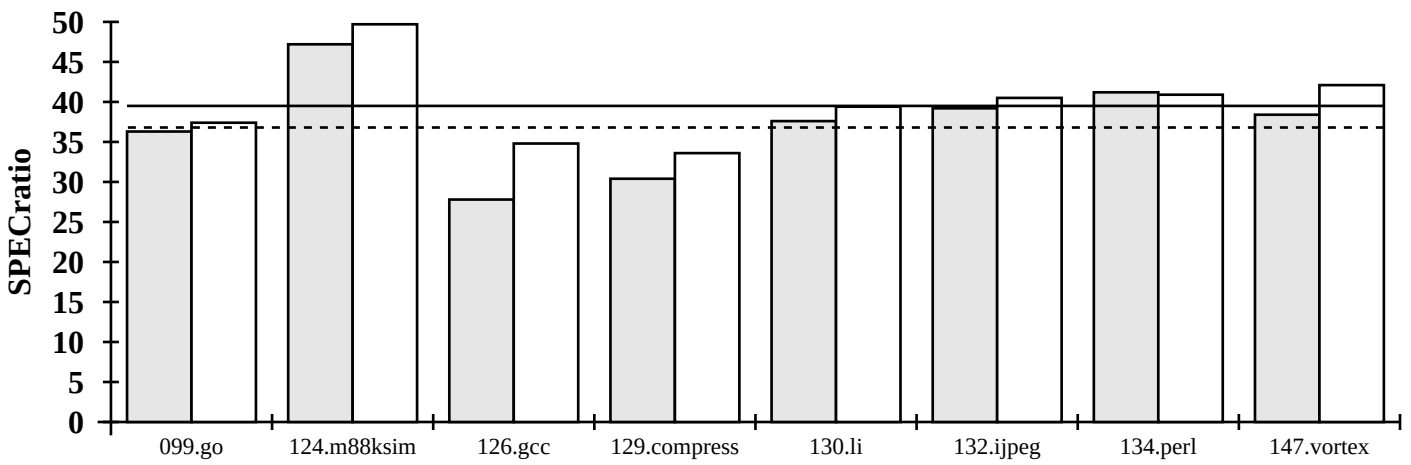
Compaq Computer Corporation
AlphaServer GS160 6/731

SPECint95 = 39.5

SPECint_base95 = 36.8

SPEC license # 2 | Tested By: Compaq NH | Test Date: Apr-2000 | Hardware Avail: Jun-2000 | Software Avail: Jul-2000



Hardware/Software Configuration for:
AlphaServer GS160 6/731

Hardware

Model Name:	AlphaServer GS160 6/731
CPU:	731 MHz 21264A
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	4MB per CPU
Other Cache:	none
Memory:	4GB
Disk Subsystem:	mfs (Memory File System)
Other Hardware:	Ethernet

Software

Operating System:	Tru64 Unix V5.1 (Release for GS160,GS320)
Compiler:	Compaq C T6.3-120-44A2I
	protect_headers_setup.sh
	cc.alt/om 27-Jan-1999
File System:	mfs
System State:	Multi User

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	127	36.3	123	37.4
124.m88ksim	1900	40.2	47.2	38	49.7
126.gcc	1700	61.2	27.8	49	34.8
129.compress	1800	59.2	30.4	53	33.6
130.li	1900	50.5	37.6	48	39.4
132.ijpeg	2400	61.2	39.2	59	40.5
134.perl	1900	46.1	41.2	47	40.9
147.vortex	2700	70.4	38.4	64	42.1
SPECint_base95 (G. Mean)			36.8		
		SPECint95 (G. Mean)			39.5

Notes/Tuning Information

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Compiler invocation: cc -std1      Base tuning: -fast -arch ev6 -O4 + GemFB
go:        -g3 -arch ev6 -fast -inline speed -assume whole_program -non_shared
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 +BothFB
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]

Tru64 Unix V5.1 will ship in Jul-2000 for use on the GS160, GS320 platforms;
the final version will ship Sep-2000
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For more Information/ Contact: SPEC info@spec.org http://www.spec.org/

-- Prepared By: --