SPEC CINT95rate Results

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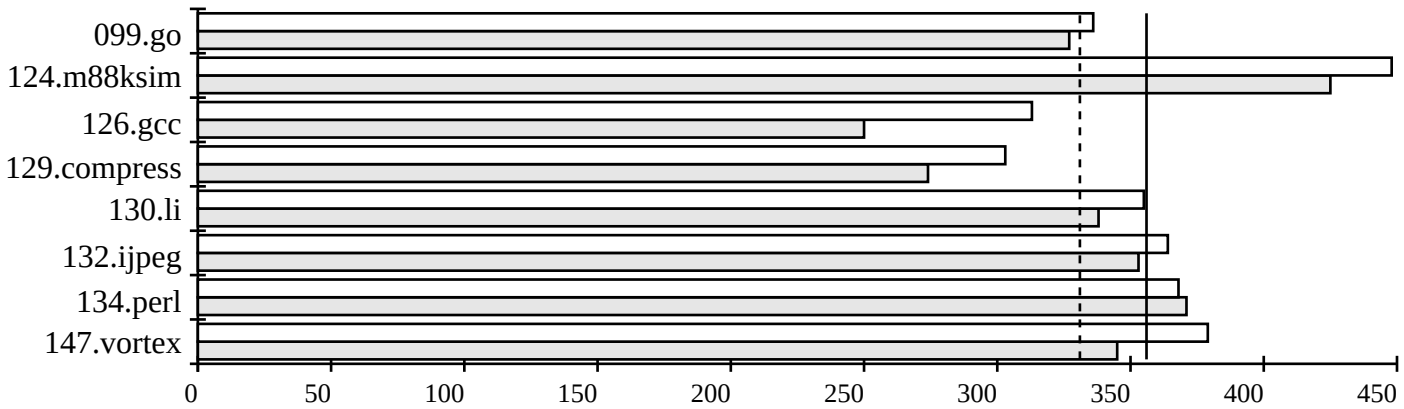
Compaq Computer Corporation AlphaServer GS160 6/731

SPECint_rate95 = 356

SPECint_rate_base95 = 331

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
Other Hardware:	Ethernet

Software

Operating System:	Tru64 UNIX T5.1-9 (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	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	1	127	327	1	123	336
124.m88ksim	1	40.2	425	1	38	448
126.gcc	1	61.2	250	1	49	313
129.compress	1	59.2	274	1	53	303
130.li	1	50.5	338	1	48	355
132.ijpeg	1	61.2	353	1	59	364
134.perl	1	46.1	371	1	47	368
147.vortex	1	70.4	345	1	64	379
SPECint_rate_base95 (G. Mean)			331			
			SPECint_rate95 (G. Mean)			356

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 ships Jul-2000 for use on the GS160, GS320; the final version ships Sep-2000
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For More Information Contact: SPEC info@spec.org http://www.spec.org/

-- Prepared By: --