SPEC CINT95rate Results

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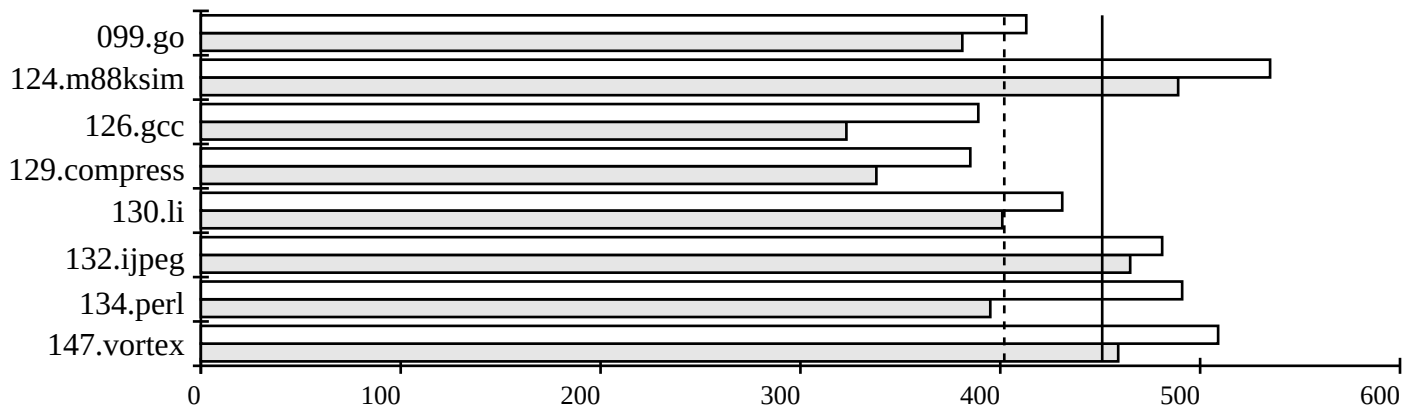
Compaq Computer Corporation AlphaServer ES40 6/833

SPECint_rate95 = 451

SPECint_rate_base95 = 402

SPEC license # 2	Tested By: Compaq NH	Test Date: Jun-2000	Hardware Avail: Jan-2001	Software Avail: Jul-2000



Hardware/Software Configuration for:
AlphaServer ES40 6/833

Hardware

Model Name:	AlphaServer ES40 6/833
CPU:	833 MHz 21264
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:	1x DS-RZ1DA-VW 9GB
Other Hardware:	Ethernet

Software

Operating System:	Tru64 Unix V4.0G
Compiler:	Compaq C T6.3-125-44A5I protect_headers_setup.sh
File System:	AdvFS
System State:	Multi User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	1	109	381	1	100	413
124.m88ksim	1	35.0	489	1	32	535
126.gcc	1	47.4	323	1	39	389
129.compress	1	48.0	338	1	42	385
130.li	1	42.7	401	1	40	431
132.ijpeg	1	46.4	465	1	45	481
134.perl	1	43.3	395	1	35	491
147.vortex	1	52.9	459	1	48	509
SPECint_rate_base95 (G. Mean)			402			
			SPECint_rate95 (G. Mean)			451

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 +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 +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]
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-- Prepared By: --