SPEC CINT95rate Results

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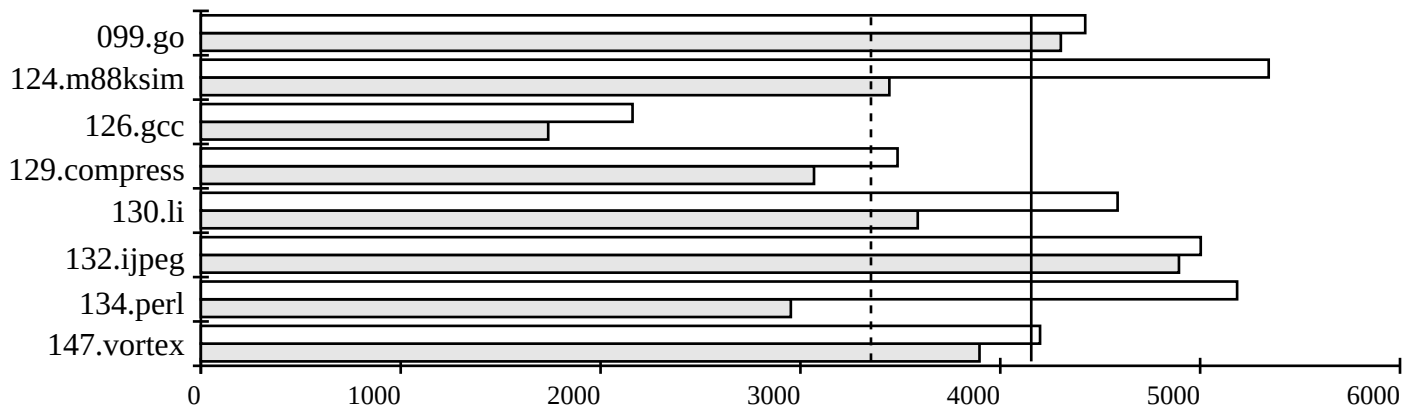
Compaq Computer Corporation
AlphaServer GS140 Model 6/700

SPECint_rate95 = 4155

SPECint_rate_base95 = 3353

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



SPECrate

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):	14
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	8MB (I+D) off chip
Other Cache:	none
Memory:	4GB (1x4GB)
Disk Subsystem:	2x 4GB
Other Hardware:	Ethernet

Software

Operating System:	Tru64 UNIX V4.0F
Compiler:	DEC C V6.0-007-4088L
	protect_headers_setup.sh
File System:	ufs
System State:	Multi-User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	14	135	4303	14	131	4425
124.m88ksim	14	69.5	3445	14	45	5343
126.gcc	14	123	1738	14	99	2160
129.compress	14	73.9	3068	14	65	3486
130.li	14	66.7	3587	14	52	4587
132.ijpeg	14	61.8	4894	14	60	5003
134.perl	14	81.1	2952	14	46	5185
147.vortex	14	87.3	3896	14	81	4199
SPECint_rate_base95 (G. Mean)			3353			
			SPECint_rate95 (G. Mean)			4155

Notes/Tuning Information

```
Compiler: cc.alt -std1      baseline: -O4 -arch ev6 -non_shared +OmFb
go:       -ifo -arch ev6 -g3 -O3 -inline speed -non_shared +OmFb
m88ksim:  -ifo -arch ev6 -g3 -O4 -inline speed -unroll 16 -non_shared +GemFb
gcc:      -ifo -arch ev6 -g1 -O4 -inline speed -xtaso_short -noansi_alias -non_shared  +BothFb
compress: -ifo -arch ev6 -g3 -O4 -fast -assume whole_program -non_shared -lsys5 +GemFb
li:       -ifo -arch ev6 -g1 -O4 -inline speed -xtaso_short -speculate all -non_shared -lsys5 +GemFb
ijpeg:    -ifo -arch ev6 -g3 -O4 -fast -speculate all -non_shared +GemFb
perl:     -ifo -arch ev6 -g3 -O3 -inline speed -non_shared -lsys5 +GemFb
vortex:   -ifo -arch ev6 -g3 -O4 -fast -inline speed -speculate all -non_shared +BothFb
Portability: m88ksim: -DLEHOST   perl: -DI_TIME    vortex: -D__RISC_64__

OmFb:  PASS1 = -prof_gen -prof_dir /tmp/prof    PASS2 = -prof_use_om_feedback -prof_dir /tmp/prof
GemFb: PASS1 = As in OmFb, plus -gen_feedback   PASS2 = -prof_use_feedback    -prof_dir /tmp/prof

BothFb: PASS1 = As in GemFb                     PASS2 = -prof_use_feedback    -prof_dir /tmp/prof -r
.   fdo_pre2  = mv %exename% rr; ld [-taso] -o fb rr -lexc; pixie -pids fb -o %exename%
.   fdo_run2  = %command%
.   fdo_post2 = ld [-taso] -om rr -o rrom -lexc; prof -pixie -merge fb.Counts fb fb.Addrs fb.Counts.*;
.   /usr/lib/cmplrs/cc.alt/om [-taso] -om_split_procedures -om_ireorg_feedback fb -o %binary% rrom
.   (only gcc uses taso)
```

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-- Prepared By: --