SPEC CINT95rate Results

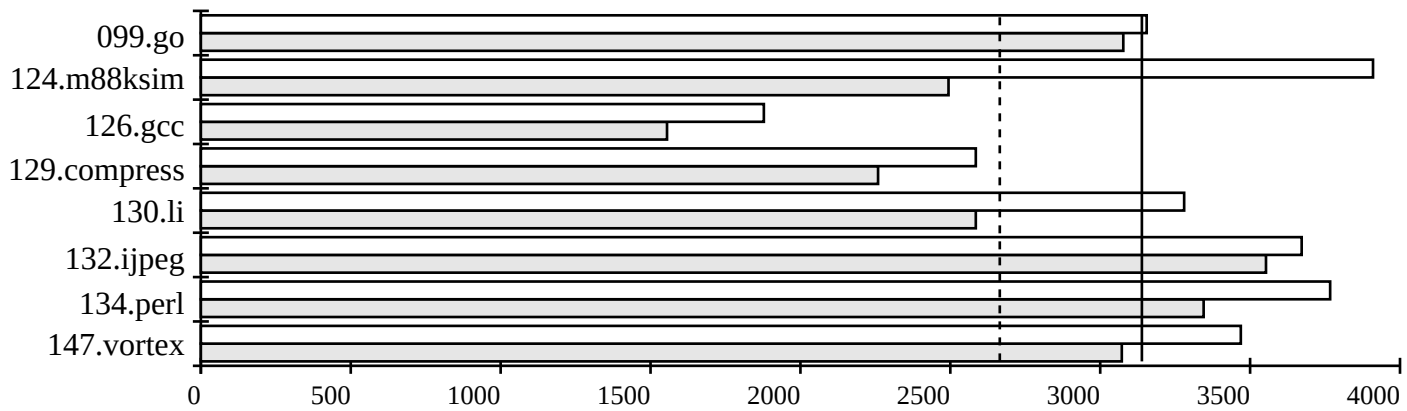
©Copyright 1995, Standard Performance Evaluation Corporation

Compaq Computer Corporation
AlphaServer GS140 Model 6/700

SPECint_rate95 = 3139

SPECint_rate_base95 = 2665

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):	10
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	8MB (I+D) off chip
Other Cache:	none
Memory:	8GB (2x4GB)
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	10	135	3077	10	131	3155
124.m88ksim	10	68.6	2494	10	44	3910
126.gcc	10	98.4	1555	10	81	1878
129.compress	10	71.7	2259	10	63	2585
130.li	10	66.2	2585	10	52	3280
132.ijpeg	10	60.8	3553	10	59	3672
134.perl	10	51.1	3345	10	45	3767
147.vortex	10	79.1	3072	10	70	3469
SPECint_rate_base95 (G. Mean)			2665			
			SPECint_rate95 (G. Mean)			3139

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)
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 20109
(703) 331-0180
info@spec.org
http://www.spec.org/

-- Prepared By: --