SPEC CINT95rate Results

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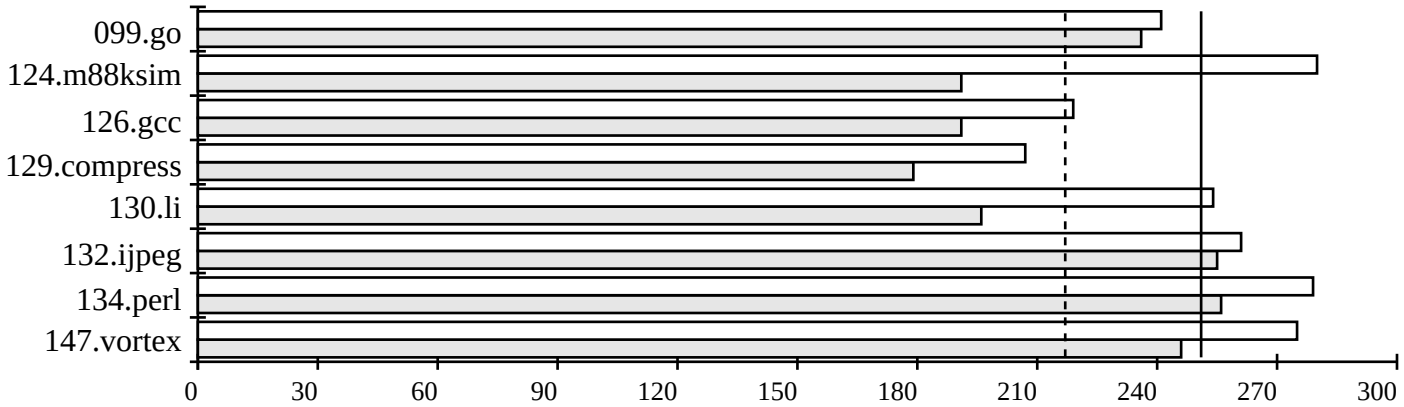
Compaq Computer Corporation
Compaq AlphaServer GS140 6/525

SPECint_rate95 = 251

SPECint_rate_base95 = 217

SPEC license # 2 | Tested By: Digital NH | Test Date: Sep-98 | Hardware Avail: Nov-98 | Software Avail: Oct-98



Hardware/Software Configuration for:
Compaq AlphaServer GS140 6/525

Hardware

Model Name:	Compaq AlphaServer GS140 6/525
CPU:	525 MHz 21264
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	4MB
Other Cache:	none
Memory:	8GB (4x2GB)
Disk Subsystem:	3x4GB
Other Hardware:	Ethernet
Operating System:	Digital UNIX X4.0E-7
Compiler:	DEC C V6.0-007-4088L protect_headers_setup.sh
File System:	UFS
System State:	Multi User

Software

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	1	176	236	1	171	241
124.m88ksim	1	89.5	191	1	61	280
126.gcc	1	80.0	191	1	70	219
129.compress	1	90.3	179	1	78	207
130.li	1	87.0	196	1	67	254
132.ijpeg	1	84.6	255	1	83	261
134.perl	1	66.7	256	1	61	279
147.vortex	1	98.8	246	1	88	275
SPECint_rate_base95 (G. Mean)			217			
				SPECint_rate95 (G. Mean)		251

Notes/Tuning Information

```
Compiler:    cc.alt -std1        Base tuning: -O4 -arch ev6 -non_shared with om fb
Portability: m88ksim: -DLEHOST   perl: -DI_TIME   vortex: -D__RISC_64__
Peak:       -ifo -arch ev6 -non_shared -inline speed plus:
go:         -O3 with om fb                m88ksim: -O4 -speculate all with compiler fb
perl:       -O4 -lsys5 with compiler fb    vortex: -O4 -fast -speculate all with 2-pass fb
gcc:        -O4 -xtaso_short -noansi_alias with 2-pass fb
compress:   -O4 -assume whole_program -lsys5 with compiler fb
li:         -O4 -xtaso_short -speculate all -lsys5 with compiler fb
ijpeg:      -O4 -fast -unsigned -speculate all -lsys5 with compiler fb

om fb: PASS1= -prof_gen -prof_dir /tmp/prof    PASS2=  -prof_use_om_feedback -prof_dir /tmp/prof

compiler fb: PASS1 same as om fb plus -gen_feedback   PASS2 = -prof_use_feedback -prof_dir /tmp/prof

2-pass fb:  PASS1 same as compiler fb   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 in the lines just above]
```

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-- Prepared By: --