SPEC CINT95rate Results

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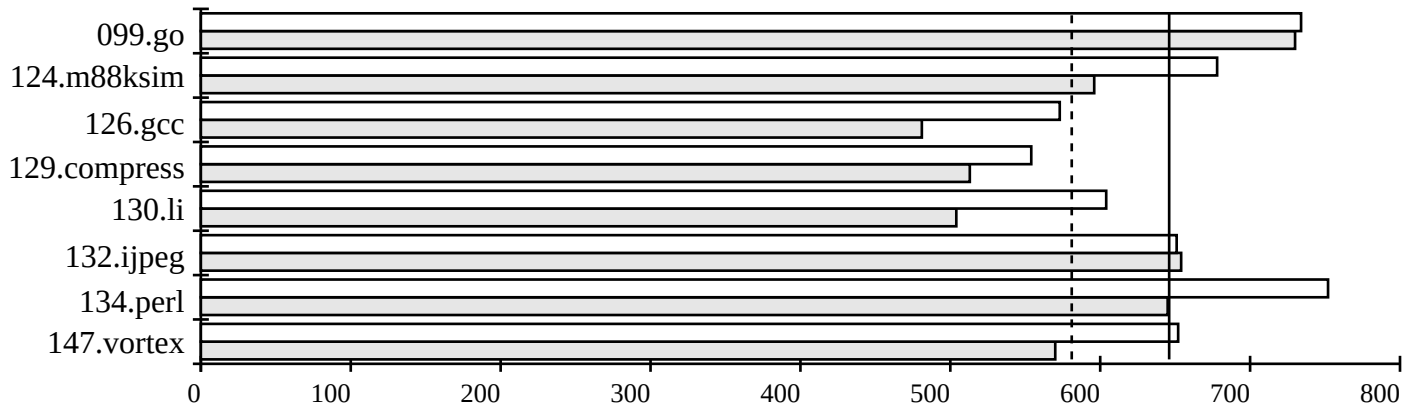
Digital Equipment Corp.
AlphaServer 8400 5/625

SPECint_rate95 = 646

SPECint_rate_base95 = 581

SPEC license # 2	Tested By: Digital NH	Test Date: Sep-97	Hardware Avail: Nov-97	Software Avail: Dec-97



Hardware/Software Configuration for:
AlphaServer 8400 5/625

Hardware

Model Name:	AlphaServer 8400 5/625
CPU:	612 MHz 21164
FPU:	Integrated
Number of CPU(s):	4
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB on chip
Other Cache:	4MB
Memory:	8GB (2x4GB)
Disk Subsystem:	4x4GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX X4.0D-11
Compiler:	DEC C T5.7-564-3678F 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	4	227	730	4	226	734
124.m88ksim	4	115	596	4	101	678
126.gcc	4	127	481	4	107	573
129.compress	4	126	513	4	117	554
130.li	4	136	504	4	113	604
132.ijpeg	4	132	654	4	133	651
134.perl	4	106	645	4	91	752
147.vortex	4	171	570	4	149	652
SPECint_rate_base95 (G. Mean)			581			
				SPECint_rate95 (G. Mean)		646

Notes/Tuning Information

```
Compiler: cc.alt -std1    Base: -O4 -arch ev56 -non_shared with om feedback
Portability:  m88ksim: -DLEHOST  perl: -DI_TIME  vortex: -D__RISC_64__

Peak: all: -non_shared -ifo -inline speed      go: -O3, om fb
m88ksim:  -O4 -speculate all, 2-pass fb       gcc: -O4 -arch ev56 -xtaso_short, 2-pass fb
perl:     -O4 -arch ev56 -lsys5, om fb     vortex: -O4 -fast -speculate all, 2-pass fb
compress: -O4 -arch ev56 -assume whole_program -lsys5, om fb
li:       -O4 -xtaso_short -speculate all -lsys5, 2-pass fb
ijpeg:    -O4 -fast -unsigned -arch ev56 -speculate all -lsys5, 2-pass fb

Om feedback: PASS1 = -prof_gen -prof_dir /tmp/prof
PASS2 =  -prof_use_om_feedback -prof_dir /tmp/prof

2-pass fb: PASS1 above w/ -gen_feedback; PASS2= -prof_use_feedback -prof_dir /tmp/prof -r
fdo_pre2  = mv %exename% rr; ld -o fb rr -lexc; pixie -pids fb -o %exename%
fdo_run2  = %command%
fdo_post2 = ld -om rr -o rrom -lexc; prof -pixie -merge fb.Counts fb fb.Addrs fb.Counts.*;
/usr/lib/cmplrs/cc.alt/om -om_split_procedures -om_ireorg_feedback fb -o %binary% rrom
gcc and li add -taso to feedback ld commands.
```

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