SPEC CINT95 Results

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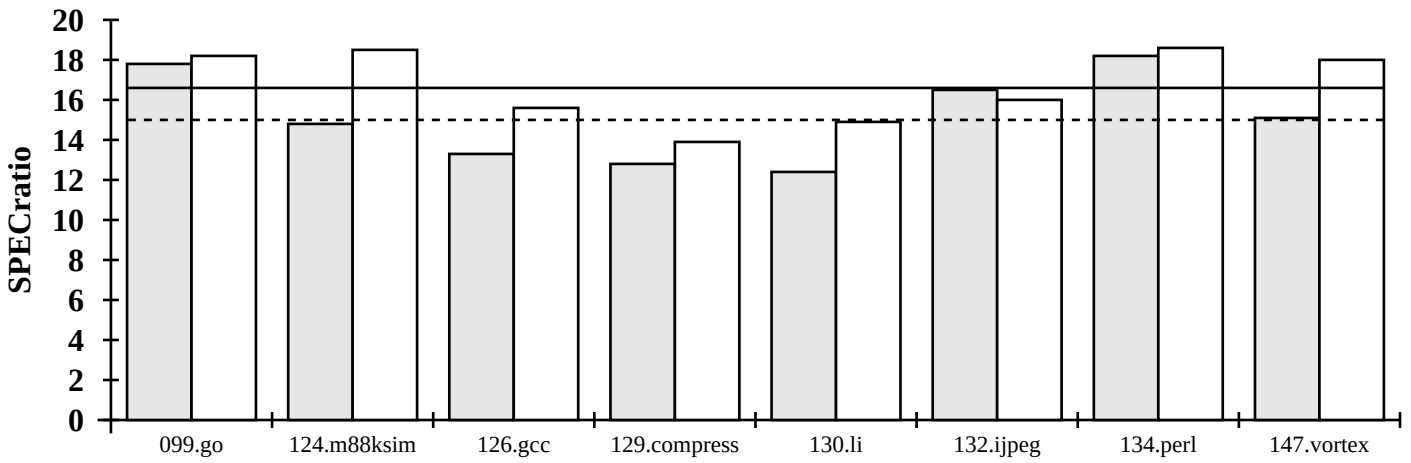
Digital Equipment Corp.
AlphaServer 4000 5/533

SPECint95 = 16.6

SPECint_base95 = 15.0

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



Hardware/Software Configuration for:
AlphaServer 4000 5/533

Hardware

Model Name:	AlphaServer 4000 5/533
CPU:	533 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	4MB
Memory:	256MB
Disk Subsystem:	1x4GB, 1x2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX X4.0D-11
Compiler:	DEC C T5.7-566-367A7 protect_headers_setup.sh
File System:	UFS
System State:	Multi User

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	258	17.8	253	18.2
124.m88ksim	1900	129	14.8	103	18.5
126.gcc	1700	128	13.3	109	15.6
129.compress	1800	140	12.8	130	13.9
130.li	1900	153	12.4	127	14.9
132.ijpeg	2400	146	16.5	150	16.0
134.perl	1900	105	18.2	102	18.6
147.vortex	2700	179	15.1	150	18.0
SPECint_base95 (G. Mean)			15.0		
		SPECint95 (G. Mean)			16.6

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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-- Prepared By: --