SPEC CINT95 Results

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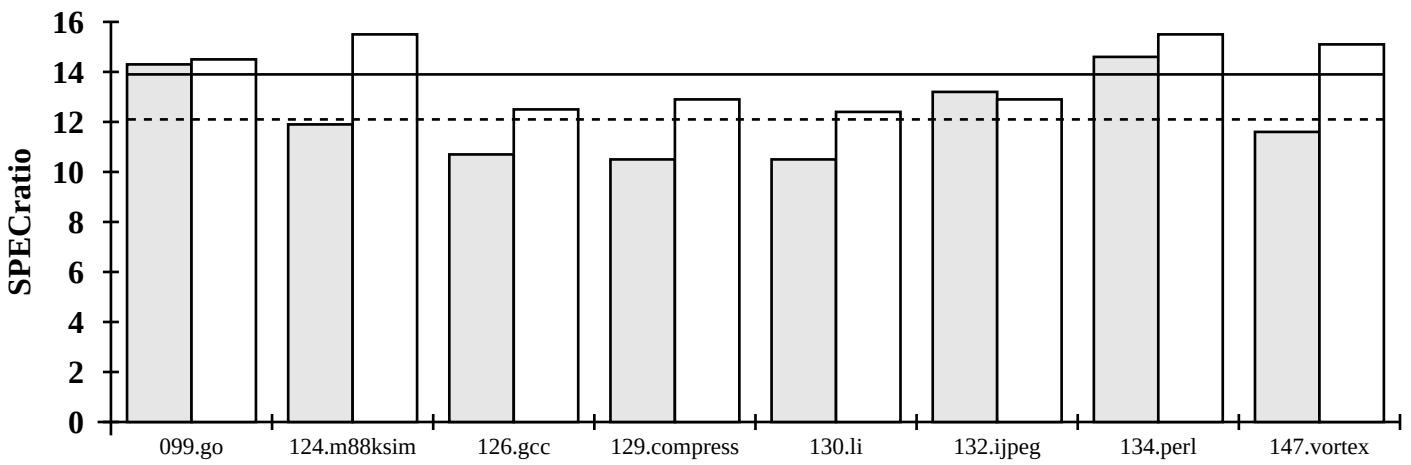
Digital Equipment Corporation
DIGITAL Personal Workstation 433au

SPECint95 = 13.9

SPECint_base95 = 12.1

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



Hardware/Software Configuration for:
DIGITAL Personal Workstation 433au

Hardware

Model Name:	Personal Workstation 433au
CPU:	433 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB on chip
Other Cache:	2MB
Memory:	192MB
Disk Subsystem:	1 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX V4.0C
Compiler:	DEC C X5.6-129-363H cc.alt/protect_headers.sh prof & om from Oct-97 Unix
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	322	14.3	316	14.5
124.m88ksim	1900	159	11.9	122	15.5
126.gcc	1700	159	10.7	136	12.5
129.compress	1800	171	10.5	140	12.9
130.li	1900	182	10.5	154	12.4
132.ijpeg	2400	181	13.2	185	12.9
134.perl	1900	130	14.6	122	15.5
147.vortex	2700	233	11.6	178	15.1
SPECint_base95 (G. Mean)			12.1		
		SPECint95 (G. Mean)			13.9

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 -32data -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 as above; 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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