SPEC CINT95 Results

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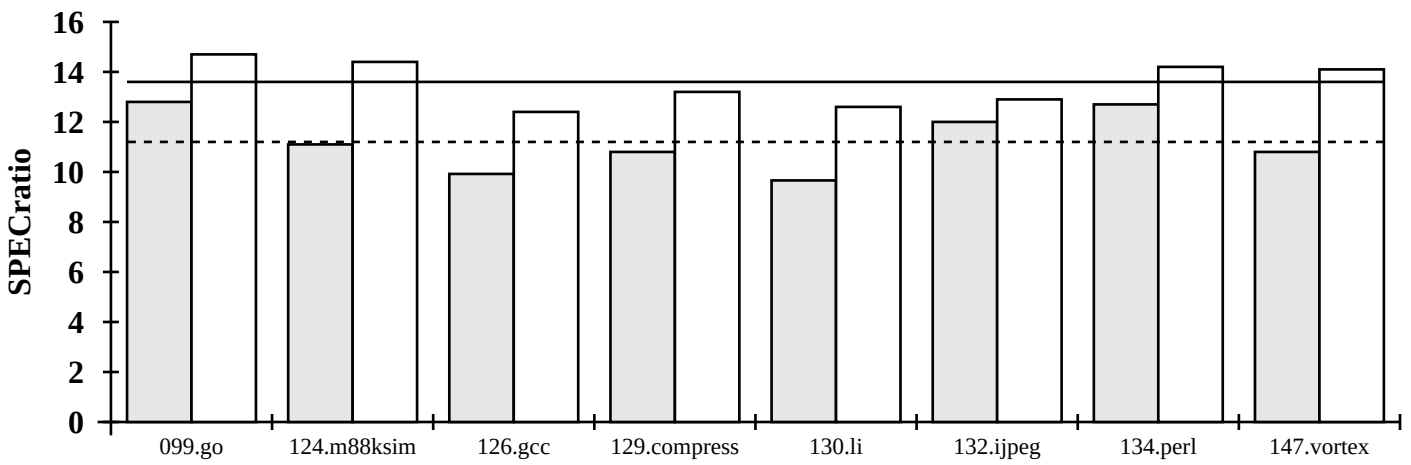
Digital Equipment Corp.
AlphaServer 8200 5/440

SPECint95 = 13.6

SPECint_base95 = 11.2

SPEC license # 2	Tested By: Digital NH	Test Date: Jul-96	Hardware Avail: Sep-96	Software Avail: Sep-96



Hardware/Software Configuration for:
AlphaServer 8200 5/440

Hardware

Model Name:	AlphaServer 8200 5/440
CPU:	437 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	4MB
Memory:	1GB
Disk Subsystem:	1 x 2GB 1x 1GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX T4.0A-2
Compiler:	DEC C X5.3-148-334R /usr/lib/cmplrs/cc.alt/protect_headers.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	359	12.8	312	14.7
124.m88ksim	1900	172	11.1	132	14.4
126.gcc	1700	171	9.92	137	12.4
129.compress	1800	167	10.8	137	13.2
130.li	1900	197	9.66	150	12.6
132.ijpeg	2400	201	12.0	186	12.9
134.perl	1900	150	12.7	134	14.2
147.vortex	2700	250	10.8	191	14.1
SPECint_base95 (G. Mean)			11.2		
		SPECint95 (G. Mean)			13.6

Notes/Tuning Information

```
Compiler: cc.alt -migrate -std1   Base optimizations: -O5 -arch ev56 -non_shared -om
Portability flags: m88ksim: -DLEHOST   perl: -DI_TIME   vortex: -D__RISC_64__

Peak flags: all use -ifo -non_shared    go: -O4 -inline speed -om    m88ksim: -O5 -speculate all -inline speed
with feedback    gcc: -O5 -inline speed -arch ev56 -xtaso_short with feedback    compress: -O5 -tune ev5 -32data
-assume whole_program -arch ev56 -inline speed -om -lsys5    li: -O5 -inline speed -xtaso_short -speculate all
-lsys5 with feedback    ijpeg: -O5 -fast -unsigned -inline speed -arch ev56 -speculate all -lsys5 with feedback
perl: -O5 -inline speed -arch ev56 -lsys5 with feedback pass-2 only    vortex: -O5 -fast -inline speed with feedback

feedback: PASS1=-gen_feedback -g1
fdo_pre1=mv %binary% %exename%.orig;pixie -pids %exename%.orig -o %exename%
fdo_run1=%command%
fdo_post1=prof -pixie -feedback ../../src/%exename%.fb %exename%.orig %exename%.orig.Addrs %exename%.orig.Counts.*
PASS2=-feedback $(EXENAME).fb -r -ifo
fdo_pre2=mv %exename% %exename%.rr;ld -o %exename%fb %exename%.rr -lexc;pixie -pids %exename%fb -o %exename%
fdo_run2=%command%
fdo_post2=ld -om %exename%.rr -o %exename%.rrom -lexc;prof -pixie -merge %exename%fb.Counts %exename%fb %exename%fb.Addrs
%exename%fb.Counts.*;/usr/lib/cmplrs/cc/om -om_ireorg_feedback %exename%fb -o %binary% %exename%.rrom
gcc and li add -taso to feedback commands om and ld
```

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