SPEC CINT95 Results

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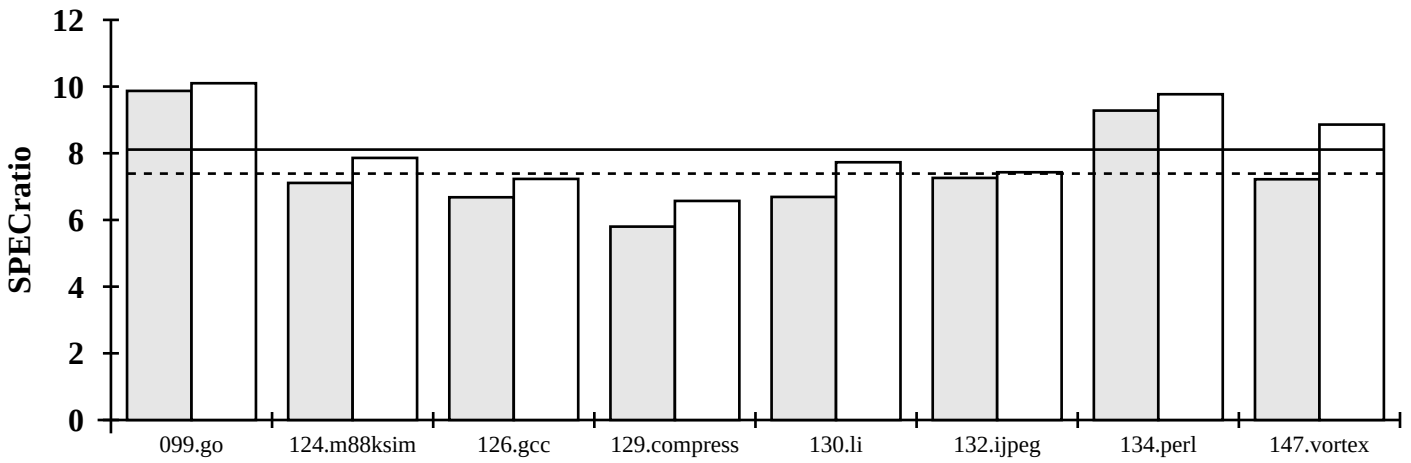
Digital Equipment Corp.
AlphaServer 4100 5/300

SPECint95 = 8.11

SPECint_base95 = 7.39

SPEC license # 2	Tested By: Digital NH	Test Date: Mar-96	Hardware Avail: May-96	Software Avail: Aug-96



Hardware/Software Configuration for:
AlphaServer 4100 5/300

Hardware

Model Name:	AlphaServer 4100 5/300
CPU:	300 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	2MB
Memory:	128MB
Disk Subsystem:	3 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX T3.2F-2 (rev. 69.55)
Compiler:	DEC C V5.2-122/DEC FORTRAN V3.8 KAPF V2.2a (Mar-96)
File System:	UFS
System State:	Multi User; vm-page-free-min 5760

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	466	9.87	455	10.1
124.m88ksim	1900	267	7.11	242	7.86
126.gcc	1700	254	6.68	235	7.23
129.compress	1800	310	5.80	274	6.57
130.li	1900	284	6.69	246	7.73
132.ijpeg	2400	330	7.26	323	7.43
134.perl	1900	205	9.28	194	9.77
147.vortex	2700	374	7.22	305	8.86
SPECint_base95 (G. Mean)			7.39		
		SPECint95 (G. Mean)			8.11

Notes/Tuning Information

```
Compiler: cc -migrate -std1   Base optimizations: -ifo -O5 -non_shared -om
Portability flags: m88ksim: -DLEHOST   perl: -DI_TIME   vortex: -D__RISC_64__
Peak flags: go: -ifo -O4 -inline speed -non_shared -om
m88ksim: -ifo -O4 -Wf,-switch,speculate -non_shared -lexc with feedback
gcc: -ifo -O5 -inline speed -non_shared with feedback
compress: -ifo -O5 -tune ev5 -32data -inline speed -non_shared -om -lsys5
li: -ifo -O5 -inline speed -non_shared -lsys5 with feedback and speculate
ijpeg: -ifo -O5 -unsigned -inline speed -non_shared -lsys5 with feedback and speculate
perl: -ifo -O5 -non_shared -lsys5 with feedback pass-2 only
vortex: -ifo -O5 -inline speed -non_shared 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 [-Wf,-switch,speculate -lexc]
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
```

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-- Prepared By: --