SPEC CINT95rate Results

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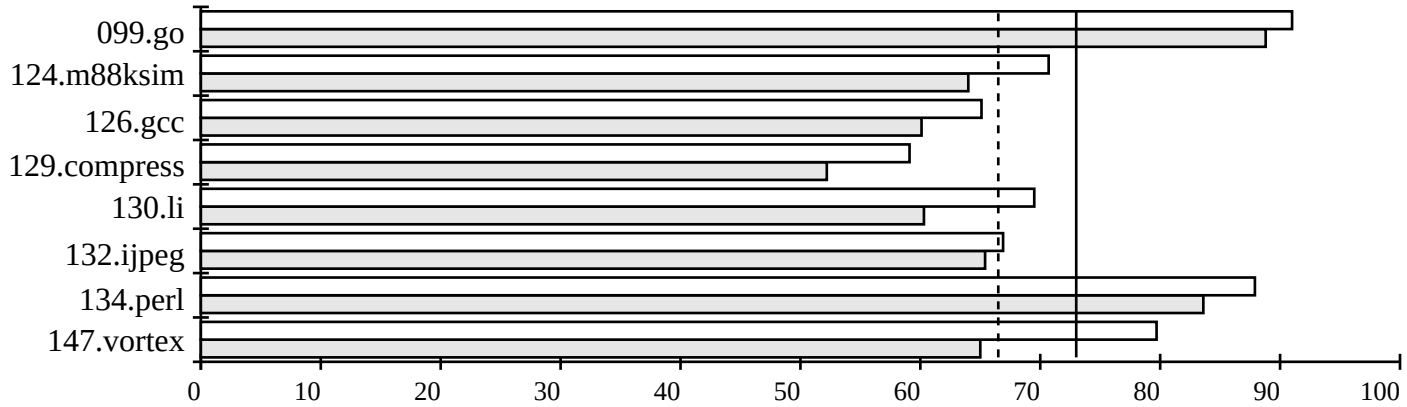
Digital Equipment Corp.
AlphaServer 4100 5/300

SPECint_rate95 = 73.0

SPECint_rate_base95 = 66.5

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	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	1	466	88.8	1	455	91.0
124.m88ksim	1	267	64.0	1	242	70.7
126.gcc	1	254	60.1	1	235	65.1
129.compress	1	310	52.2	1	274	59.1
130.li	1	284	60.3	1	246	69.5
132.ijpeg	1	330	65.4	1	323	66.9
134.perl	1	205	83.6	1	194	87.9
147.vortex	1	374	65.0	1	305	79.7
SPECint_rate_base95 (G. Mean)			66.5			
			SPECint_rate95 (G. Mean)			73.0

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: --