SPEC CINT95 Results

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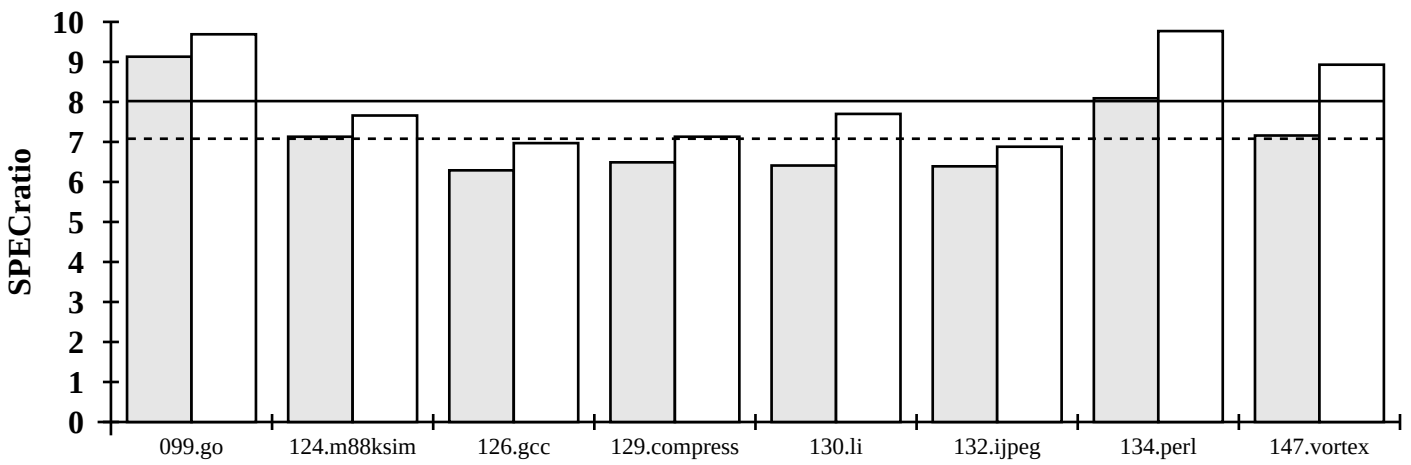
Digital Equipment Corp.
AlphaServer 2100A 5/300

SPECint95 = 8.02

SPECint_base95 = 7.08

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



Hardware/Software Configuration for:
AlphaServer 2100A 5/300

Hardware

Model Name:	AlphaServer 2100A 5/300
CPU:	291 Mhz
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	2MB
Memory:	512MB
Disk Subsystem:	1 x 2GB 1 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX T4.0-2 pass 2 (Rev 345)
Compiler:	DEC C V5.3-004/DEC FORTRAN V3.8 KAPF V2.2a
File System:	UFS
System State:	Multi User
Kernel Extensions:	

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	504	9.13	475	9.69
124.m88ksim	1900	267	7.13	248	7.66
126.gcc	1700	270	6.29	244	6.97
129.compress	1800	277	6.49	252	7.13
130.li	1900	296	6.41	247	7.70
132.ijpeg	2400	376	6.39	349	6.88
134.perl	1900	235	8.09	194	9.77
147.vortex	2700	377	7.16	302	8.93
SPECint_base95 (G. Mean)			7.08		
		SPECint95 (G. Mean)			8.02

Notes/Tuning Information

```
Compiler invokation: cc.alt -std1 -migrate (DEC C with -std1 for strict ANSI)
Portability Flags: 124.m88ksim: -DLEHOST  134.perl: -DI_TIME 147.vortex: -D__RISC_64__
Baseline Optimizations: -O5 -ifo -non_shared -om

Peak Optimizations: -ifo -non_shared -inline speed  Plus:    099.go: -O4 -om   124.m88ksim: -O5 -speculate all -lexc (with feedback)
126.gcc: -O5 (with feedback)   129.compress: -O5 -tune ev5 -32data -om
130.li: -O5 -lsys5 (with feedback -speculate all -lexc)  132.ijpeg: -O5 -lsys5 -fast -unsigned
(with feedback -speculate all -lexc)   134.perl: -O5 -lsys5 (with feedback pass 2 only)
147.vortex: -O5 -fast (with feedback -speculate all -lexc -tune ev5)

Feedback stages: 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 [-speculate all -lexc -tune ev5]
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
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 22110
(703) 331-0180
info@specbench.org
http://www.specbench.org