SPEC CINT95 Results

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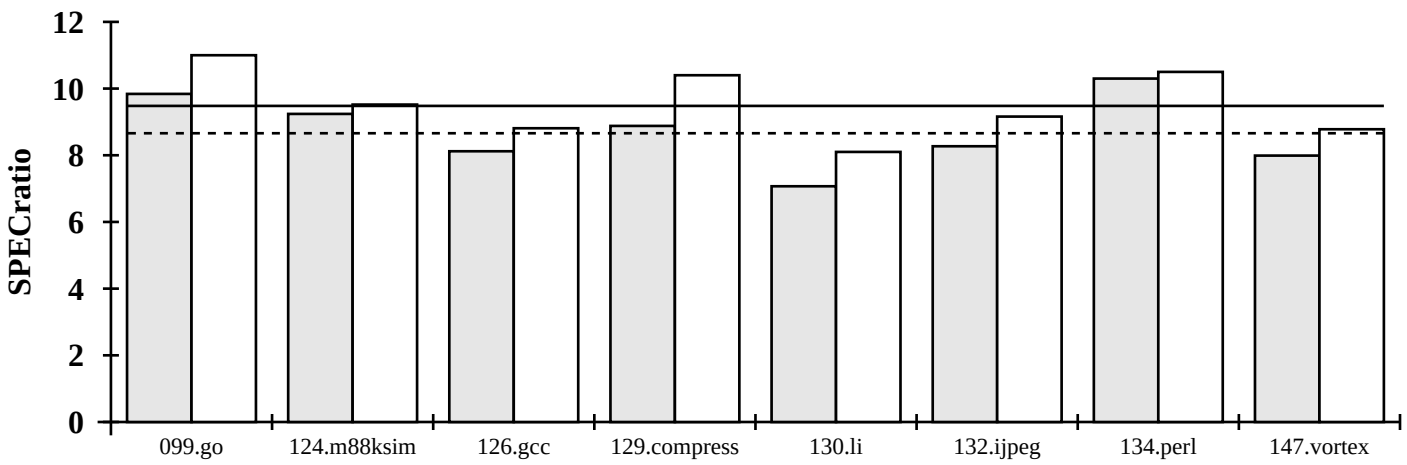
SGI origin2000

SPECint95 = 9.48

SPECint_base95 = 8.66

SPEC license # 04	Tested By: SGI	Test Date: Nov-96	Hardware Avail: Nov-96	Software Avail: Nov-96



Hardware/Software Configuration for: origin2000

Hardware

Model Name:	origin2000
CPU:	195 MHz MIPS R10000 Processor Chip Revision: 2.6
FPU:	MIPS R10010 Floating Point Chip Revision: 0.0
Number of CPU(s):	32 (1 CPU used)
Primary Cache:	32KBI+32KBD
Secondary Cache:	4MB(I+D)
Other Cache:	None
Memory:	1408 MB
Disk Subsystem:	4 SCSI 4GB, striped
Other Hardware:	None

Software

Operating System:	IRIX64 6.4
Compiler:	MipsPRO 7.1
	KAP
File System:	XFS
System State:	Multi-User

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	467	9.84	420	11.0
124.m88ksim	1900	206	9.24	200	9.52
126.gcc	1700	209	8.12	193	8.81
129.compress	1800	203	8.88	173	10.4
130.li	1900	269	7.07	235	8.10
132.ijpeg	2400	290	8.27	262	9.16
134.perl	1900	184	10.3	181	10.5
147.vortex	2700	338	7.99	308	8.78
SPECint_base95 (G. Mean)			8.66		
		SPECint95 (G. Mean)			9.48

Notes/Tuning Information

```
Extra Linker Flag: -lMMmalloc -DUSG
Base Flags: -Ofast -Dalloca=__builtin_alloca
Peak Flags:
go: -n32 -O3 -mips4 -CG:if_conversion=off:ld_latency=5 -LNO:prefetch=1:pf2=OFF
.   -OPT:Olimit=0:unroll_times_max=3:unroll_analysis=off -fbgo.cfb
.   -IPA:alias=on:plimit=1000:small_pu=60:maxdepth=1
m88ksim: -O3 -n32 -mips4 -IPA:plimit=4000:small_pu=100 -OPT:Olimit=0 -fbm88ksim.cfb -DUSG -lMMmalloc -ipa
gcc: -Ofast -LNO:fusion=2 -CG:if_conversion=off:ld_latency=5 -fbcc1.cfb -cckr
.    -Dalloca=__builtin_alloca -DUSG -lMMmalloc -OPT:Olimit=2000 -IPA:clone=on
compress: -32 -mips2 -non_shared -O3 -Wm,-inline_all -sopt,-so=3,-r=3,-o=5,-inline
li:   -O3 -n32 -mips4 -OPT:alias=typed:Olimit=0 -IPA:space=70:min_freq=1:rela_freq=1 -fbli.cfb -lMMmalloc
ijpeg:  -O3 -n32 -mips4 -IPA -OPT:alias=restrict -IPA:depth=0 -CG:ld_latency=8 -DUSG -lMMmalloc -IPA:clone=on
perl: -O2 -n32 -mips4 -IPA -OPT:alias=typed:Olimit=0 -fbperl.cfb -lMMmalloc
vortex:  -Ofast -LNO:fusion=2:fission=2:prefetch=1:prefetch_ahead=2 -fbvortex.cfb -lMMmalloc -IPA:clone=on
```

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