SPEC CINT95 Results

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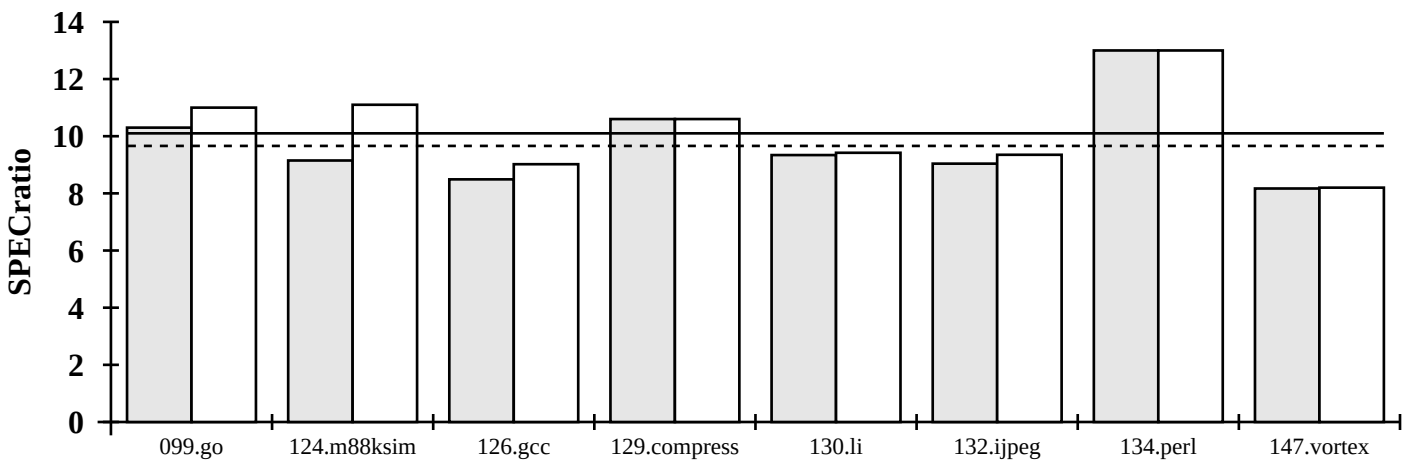
SGI
O2 R10000

SPECint95 = 10.1

SPECint_base95 = 9.66

SPEC license # 04	Tested By: SGI	Test Date: Feb-98	Hardware Avail: Feb-98	Software Avail: Sep-97



Hardware/Software Configuration for:
O2 R10000

Hardware

Model Name:	O2 195MHz R10000
CPU:	196 MHz MIPS R10000 Processor Chip Revision: 2.6
FPU:	MIPS R10010 Floating Point Chip Revision: 0.0
Number of CPU(s):	1
Primary Cache:	32KBI + 32KBD on chip
Secondary Cache:	1MB (I+D)
Other Cache:	None
Memory:	128MB
Disk Subsystem:	1 SCSI 4.3GB
Other Hardware:	None

Software

Operating System:	IRIX 6.3
Compiler:	MIPSpro C Compiler 7.2
	IRIX Development Foundation 1.0 w/patch 2687
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	448	10.3	418	11.0
124.m88ksim	1900	208	9.15	172	11.1
126.gcc	1700	200	8.49	189	9.02
129.compress	1800	170	10.6	170	10.6
130.li	1900	203	9.34	202	9.42
132.ijpeg	2400	265	9.04	257	9.35
134.perl	1900	146	13.0	146	13.0
147.vortex	2700	331	8.17	329	8.20
SPECint_base95 (G. Mean)			9.66		
		SPECint95 (G. Mean)			10.1

Notes/Tuning Information

```
Portability Flags: all: -DUSG  gcc: -I./config -Dalloca=__builtin_alloca
FEEDBACK:
.   PASS1 = -fb_create /tmp/FBDIR/$        where $ is the program name
.   PASS2 = -fb_opt /tmp/FBDIR/$           where $ is the program name
Base Flags: -Ofast=ip32_10k -IPA:use_intrinsic, FEEDBACK
Peak Flags:
go:       -O2 -n32 -mips4 -IPA:plimit=1000:small_pu=60:use_intrinsic \
.         -TARG:platform=ip32_10k -OPT:Olimit=0 -OPT:goto=off, FEEDBACK
m88ksim:  -O2 -n32 -mips4 -TARG:platform=ip32_10k -IPA:plimit=4000:space=100:small_pu=90:use_intrinsic \
.         -OPT:Olimit=0:fast_bit_intrinsics=on:ro=3:goto=off, FEEDBACK
gcc:      -Ofast=ip32_10k -IPA:use_intrinsic:callee_limit=1500:plimit=750:space=120:clone=on -OPT:fast_bit_intrinsics=on \
.         -LNO:fission=1:pwr2=off:prefetch=0 -OPT:ieee_arith=3, FEEDBACK
compress: -Ofast=ip32_10k -IPA:use_intrinsic, FEEDBACK
li:       -Ofast=ip32_10k -IPA:use_intrinsic:min_hot=12:callee_limit=750:plimit=12000 \
.         -IPA:space=200:clone=on:aggr_cprop=on -OPT:goto=off, FEEDBACK
ijpeg:    -Ofast=ip32_10k -LNO:fission=0:interchange=off:pf2=0:ou_max=2 -OPT:unroll_analysis=off:unroll_size=480:ieee_arith=3 \
.         -IPA:use_intrinsic:callee_limit=950:plimit=730:space=130:clone=on -OPT:goto=off, FEEDBACK
perl:     -Ofast=ip32_10k -IPA:use_intrinsic, FEEDBACK
vortex:   -Ofast=ip32_10k -IPA:use_intrinsic, FEEDBACK
```

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