SPEC CINT95 Results

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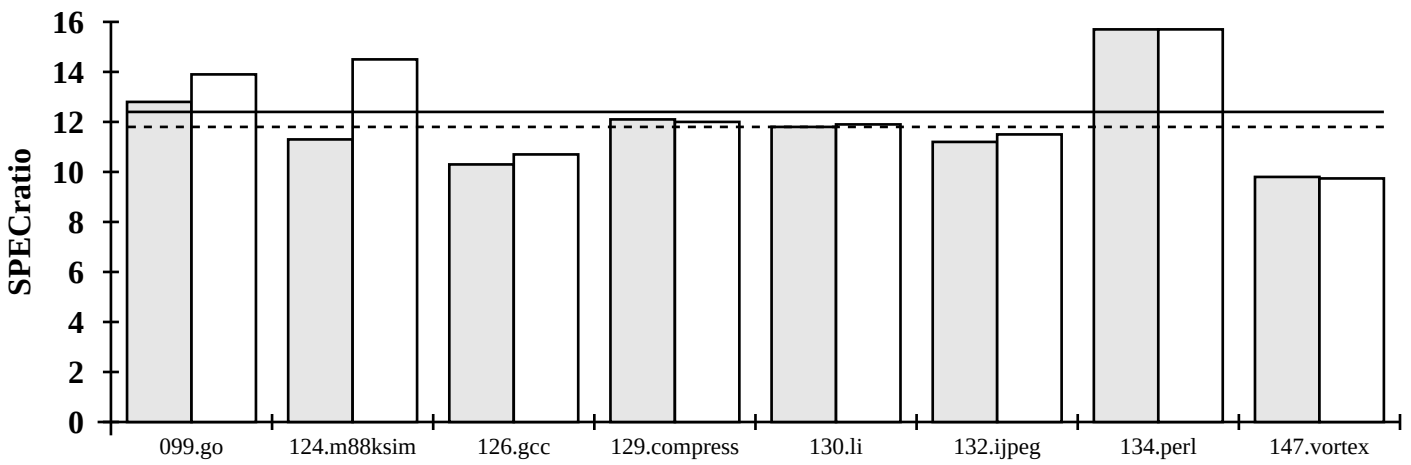
SGI
O2 R10k/250

SPECint95 = 12.4

SPECint_base95 = 11.8

SPEC license # 04	Tested By: SGI	Test Date: Jun-98	Hardware Avail: Jun-98	Software Avail: Jun-98



Hardware/Software Configuration for:
O2 R10k/250

Hardware

Model Name:	O2: 250MHz R10k
CPU:	250MHz MIPS R10000 Processor Chip Revision: 3.4
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 6.5
Compiler:	MIPSpro C Compiler 7.2.1
	IRIX patches 2641 2909 2991 2992 3022 3048
	IRIX patches 3065 3077 3131 3139 3140
File System:	XFS
System State:	Single-User

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	359	12.8	331	13.9
124.m88ksim	1900	168	11.3	131	14.5
126.gcc	1700	165	10.3	159	10.7
129.compress	1800	149	12.1	151	12.0
130.li	1900	161	11.8	160	11.9
132.ijpeg	2400	215	11.2	208	11.5
134.perl	1900	121	15.7	121	15.7
147.vortex	2700	276	9.80	277	9.74
SPECint_base95 (G. Mean)			11.8		
		SPECint95 (G. Mean)			12.4

Notes/Tuning Information

```
Portability Flags: all: -DUSG  gcc: -Dalloca=__builtin_alloca
FEEDBACK:
.   PASS1 = -fb_create /tmp/FBDIR/$(EXENAME)
.   PASS2 = -fb_opt /tmp/FBDIR/$(EXENAME)
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
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 20109
(703) 331-0180
info@specbench.org
http://www.specbench.org/

-- Prepared By: --