SPEC CINT95 Results

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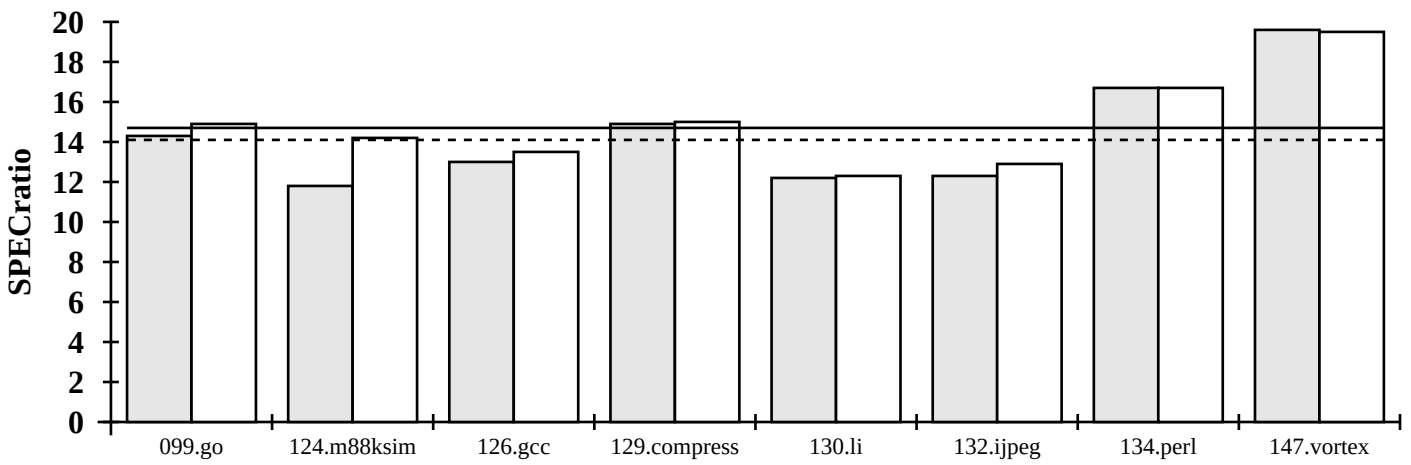
SGI Origin2000

SPECint95 = 14.7

SPECint_base95 = 14.1

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



Hardware/Software Configuration for: Origin2000

Hardware

Model Name:	Origin2000: 1X 250MHz R10k
CPU:	250 MHz MIPS R10000 Processor Chip Revision: 3.3
FPU:	MIPS R10010 Floating Point Chip Revision: 0.0
Number of CPU(s):	1
Primary Cache:	32KBI + 32KBD on chip
Secondary Cache:	4MB (I+D)
Other Cache:	None
Memory:	256MB
Disk Subsystem:	4 SCSI 4.4GB (striped)
Other Hardware:	none

Software

Operating System:	IRIX64 6.4 w/patch2694 and patch2509
Compiler:	MIPSpro C Compiler 7.2
	IRIX Development Foundation 1.0 w/patch2687
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	322	14.3	309	14.9
124.m88ksim	1900	161	11.8	133	14.2
126.gcc	1700	131	13.0	126	13.5
129.compress	1800	120	14.9	120	15.0
130.li	1900	155	12.2	154	12.3
132.ijpeg	2400	195	12.3	186	12.9
134.perl	1900	114	16.7	114	16.7
147.vortex	2700	138	19.6	138	19.5
SPECint_base95 (G. Mean)			14.1		
		SPECint95 (G. Mean)			14.7

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=ip27 -IPA:use_intrinsic, FEEDBACK
Peak Flags:
go:       -O2 -n32 -mips4 -IPA:plimit=1000:small_pu=60:use_intrinsic \
.         -TARG:platform=ip27 -OPT:Olimit=0 -OPT:goto=off, FEEDBACK
m88ksim:  -O2 -TARG:platform=ip27 -IPA:plimit=4000:space=100:small_pu=90:use_intrinsic \
.         -OPT:Olimit=0:ro=3:goto=off:unroll_times_max=32:unroll_size=300, FEEDBACK
gcc:      -Ofast=ip27 -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=ip27 -IPA:use_intrinsic, FEEDBACK
li:       -Ofast=ip27 -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=ip27 -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=ip27 -IPA:use_intrinsic, FEEDBACK
vortex:   -Ofast=ip27 -IPA:use_intrinsic, FEEDBACK
.
Large pages were enabled for base and peak using:
.  systune -i ;  percent_totalmem_1m_pages = 50
.  setenv PAGESIZE_DATA 1m
```

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