SPEC CINT95 Results

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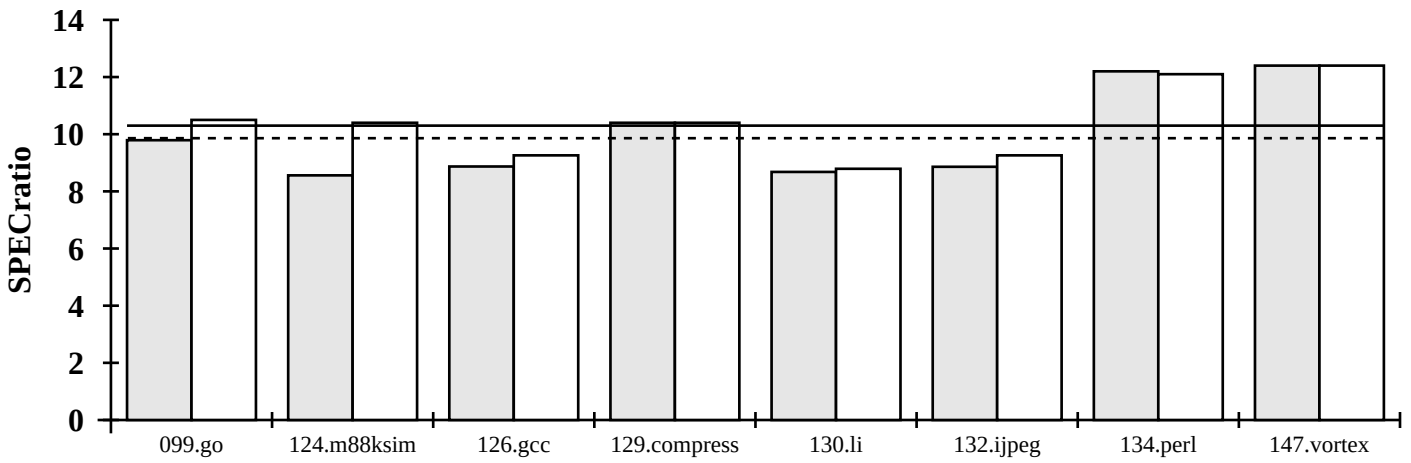
SGI Origin200

SPECint95 = 10.3

SPECint_base95 = 9.86

SPEC license # 04	Tested By: SGI	Test Date: Dec-97	Hardware Avail: Nov-96	Software Avail: Sep-97



Hardware/Software Configuration for: Origin200

Hardware

Model Name:	Origin200 Server 1X R10000 180MHz
CPU:	180 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:	512MB
Disk Subsystem:	1 SCSI 4.2GB
Other Hardware:	none

Software

Operating System:	IRIX64 6.4 w/patch2389
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	470	9.79	440	10.5
124.m88ksim	1900	222	8.56	183	10.4
126.gcc	1700	192	8.87	184	9.26
129.compress	1800	174	10.4	174	10.4
130.li	1900	219	8.68	216	8.79
132.ijpeg	2400	271	8.86	259	9.26
134.perl	1900	156	12.2	157	12.1
147.vortex	2700	218	12.4	217	12.4
SPECint_base95 (G. Mean)			9.86		
		SPECint95 (G. Mean)			10.3

Notes/Tuning Information

```
Portability Flags: all: -DUSG  gcc: -I./config
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 -Dalloca=__builtin_alloca, 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:fast_bit_intrinsics=on:ro=3:goto=off, 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 = 30
.  setenv PAGESIZE_DATA 1m
```

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