SPEC CINT95 Results

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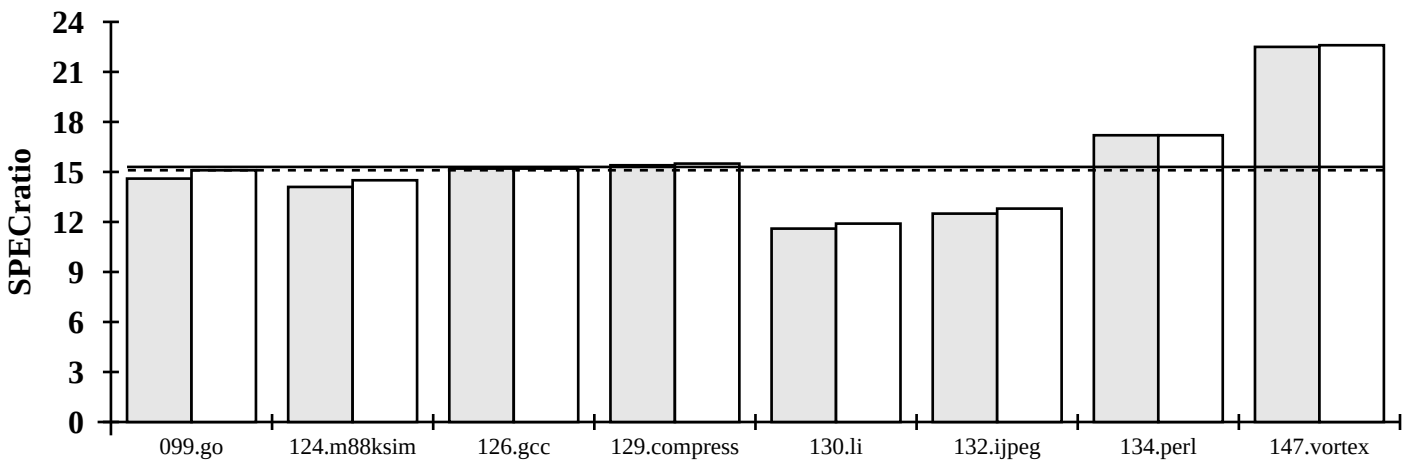
SGI
Origin2100: 250MHz R10k

SPECint95 = 15.3

SPECint_base95 = 15.1

SPEC license # 04	Tested By: SGI	Test Date: Jul-99	Hardware Avail: Aug-99	Software Avail: Jul-99



Hardware/Software Configuration for:
Origin2100: 250MHz R10k

Hardware

Model Name:	Origin2100: 250MHz R10k
CPU:	250 MHz MIPS R10000 Processor Chip Revision: 3.4
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	32KBI + 32KBD on chip
Secondary Cache:	4MB (I+D)
Other Cache:	None
Memory:	512MB
Disk Subsystem:	1 SCSI 4.3GB
Other Hardware:	none

Software

Operating System:	IRIX64 6.5.5
Compiler:	MIPSpro C Compiler 7.3
	IRIX Development Foundation 1.2
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	315	14.6	305	15.1
124.m88ksim	1900	134	14.1	131	14.5
126.gcc	1700	112	15.2	112	15.2
129.compress	1800	117	15.4	116	15.5
130.li	1900	164	11.6	160	11.9
132.ijpeg	2400	192	12.5	187	12.8
134.perl	1900	111	17.2	111	17.2
147.vortex	2700	120	22.5	119	22.6
SPECint_base95 (G. Mean)			15.1		
		SPECint95 (G. Mean)			15.3

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=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, 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 ; nlpages_1m = 200
.  setenv PAGESIZE_DATA 1024
```

For More Information Contact:
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-- Prepared By: --