SPEC CINT95 Results

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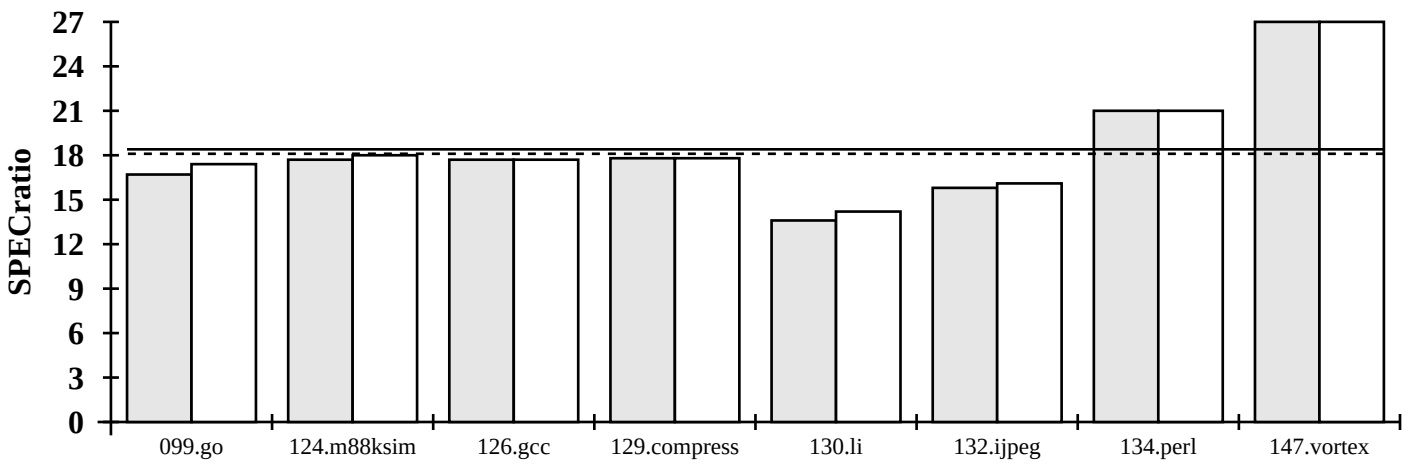
SGI Origin2000: 2X 300MHz R12k

SPECint95 = 18.4

SPECint_base95 = 18.1

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



Hardware/Software Configuration for:
Origin2000: 2X 300MHz R12k

Hardware

Model Name:	Origin2000: 2X 300MHz R12k
CPU:	300 MHz MIPS R12000 Processor Chip Revision: 2.3
FPU:	Integrated
Number of CPU(s):	2 (1 used)
Primary Cache:	32KBI + 32KBD on chip
Secondary Cache:	8MB (I+D)
Other Cache:	None
Memory:	1024MB
Disk Subsystem:	1 SCSI 2.1GB
Other Hardware:	none

Software

Operating System:	IRIX64 6.5
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	276	16.7	264	17.4
124.m88ksim	1900	107	17.7	105	18.0
126.gcc	1700	95.8	17.7	96	17.7
129.compress	1800	101	17.8	101	17.8
130.li	1900	139	13.6	134	14.2
132.ijpeg	2400	152	15.8	149	16.1
134.perl	1900	90.3	21.0	90	21.0
147.vortex	2700	99.9	27.0	100	27.0
SPECint_base95 (G. Mean)			18.1		
		SPECint95 (G. Mean)			18.4

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=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
```

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-- Prepared By: --