SPEC CINT95rate Results

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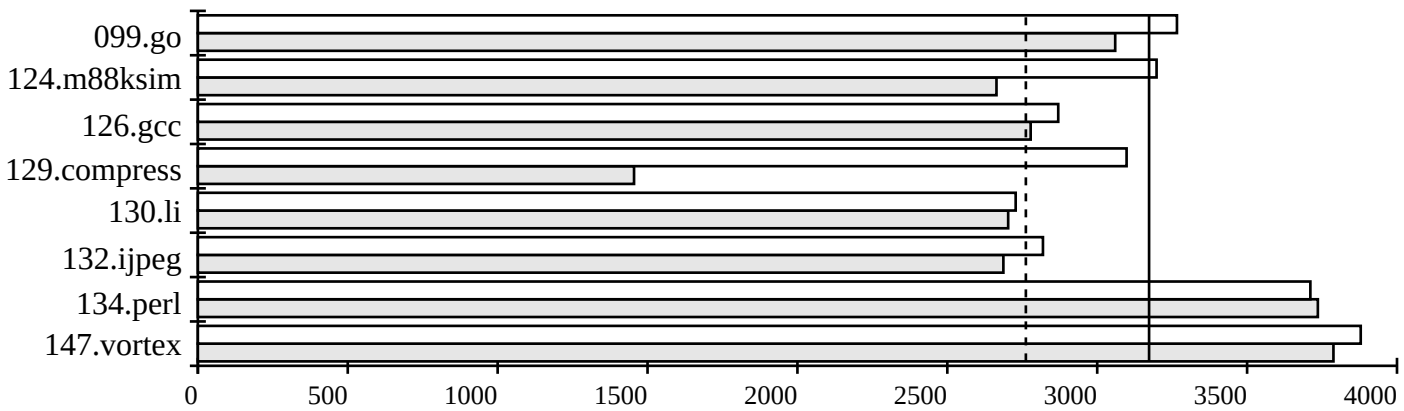
SGI Origin2000

SPECint_rate95 = 3173

SPECint_rate_base95 = 2762

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



SPECrate

Hardware/Software Configuration for: Origin2000

Hardware

Model Name:	Origin2000: 32X 195MHz R10k
CPU:	195 MHz MIPS R10000 Processor Chip Revision: 2.6
FPU:	MIPS R10010 Floating Point Chip Revision: 0.0
Number of CPU(s):	32
Primary Cache:	32KBI + 32KBD on chip
Secondary Cache:	4MB(I+D)
Other Cache:	None
Memory:	8192MB
Disk Subsystem:	1 SCSI 40.0GB (striped)
Other Hardware:	none

Software

Operating System:	IRIX64 6.4 w/patch2211 and patch2509
Compiler:	MIPSpro C Compiler 7.2
	IRIX Development Foundation 1.0
File System:	XFS
System State:	Single-User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	32	433	3060	32	406	3266
124.m88ksim	32	205	2664	32	171	3198
126.gcc	32	176	2778	32	171	2870
129.compress	32	356	1455	32	167	3098
130.li	32	202	2703	32	201	2728
132.ijpeg	32	257	2687	32	245	2819
134.perl	32	146	3736	32	147	3711
147.vortex	32	205	3788	32	200	3879
SPECint_rate_base95 (G. Mean)			2762			
			SPECint_rate95 (G. Mean)			3173

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: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
```

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: --