SPEC CINT95rate Results

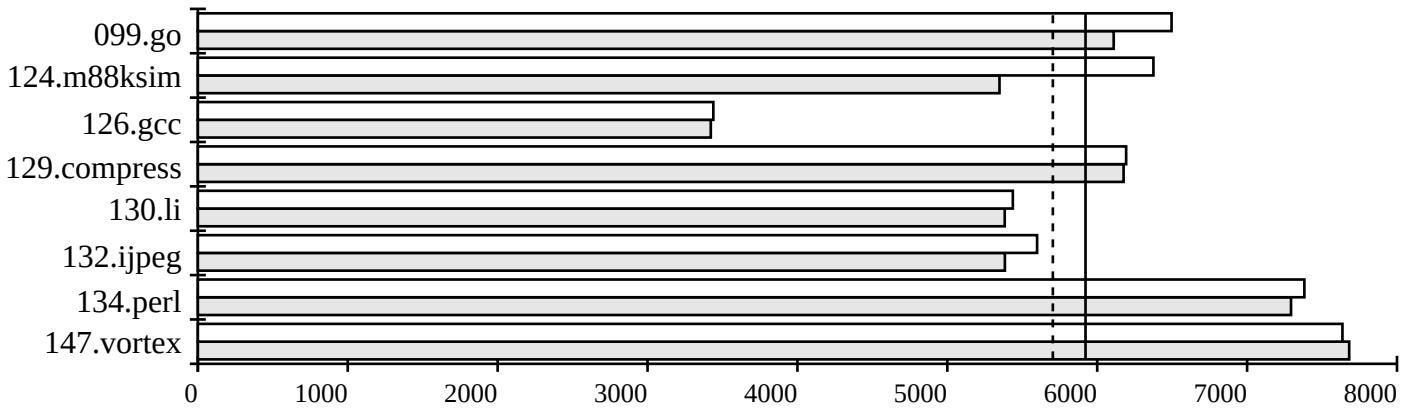
©Copyright 1995, Standard Performance Evaluation Corporation

SGI Origin2000

SPECint_rate95 = 5922

SPECint_rate_base95 = 5704

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



SPECrate

Hardware/Software Configuration for: Origin2000

Hardware

Model Name:	Origin2000: 64X 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):	64
Primary Cache:	32KBI + 32KBD on chip
Secondary Cache:	4MB(I+D)
Other Cache:	None
Memory:	49152MB
Disk Subsystem:	1 SCSI 8.9GB
Other Hardware:	none

Software

Operating System:	IRIX64 6.4 w/patch2211
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	64	434	6110	64	408	6496
124.m88ksim	64	205	5348	64	172	6375
126.gcc	64	286	3422	64	285	3439
129.compress	64	168	6176	64	167	6193
130.li	64	203	5383	64	201	5437
132.ijpeg	64	257	5384	64	247	5599
134.perl	64	150	7293	64	148	7382
147.vortex	64	202	7681	64	204	7636
SPECint_rate_base95 (G. Mean)			5704			
			SPECint_rate95 (G. Mean)			5922

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: --