SPEC CINT95rate Results

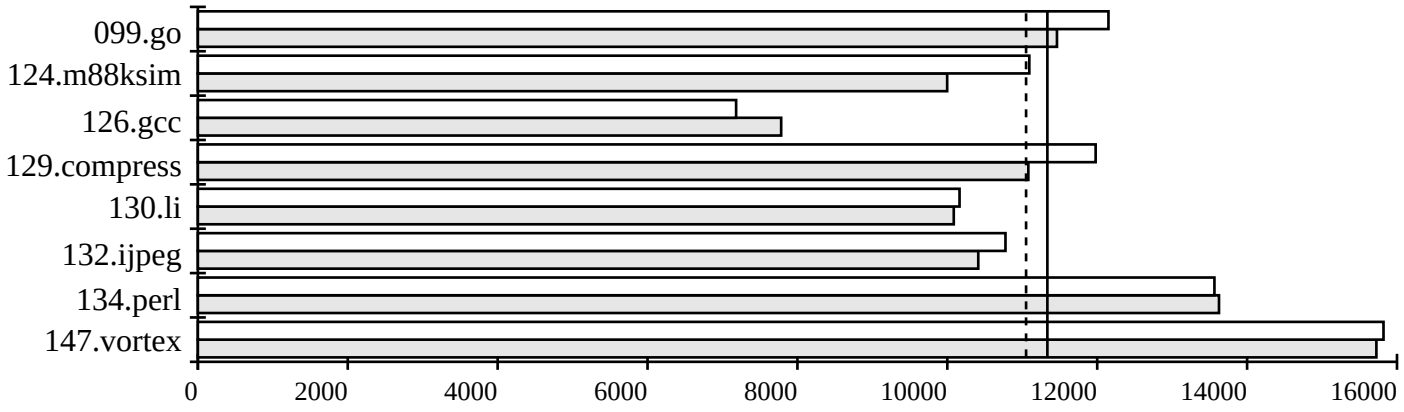
©Copyright 1995, Standard Performance Evaluation Corporation

SGI Origin2000

SPECint_rate95 = 11335

SPECint_rate_base95 = 11051

SPEC license # 04	Tested By: SGI	Test Date: Feb-98	Hardware Avail: Feb-98	Software Avail: May-98



Hardware/Software Configuration for: Origin2000

Hardware

Model Name:	Origin2000: 128X 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):	128
Primary Cache:	32KBI + 32KBD on chip
Secondary Cache:	4MB (I+D)
Other Cache:	None
Memory:	36608MB
Disk Subsystem:	19 SCSI 9GB (striped - 256 blocks)
Other Hardware:	None

Software

Operating System:	IRIX64 6.5
Compiler:	MIPSpro C Compiler 7.2
	IRIX Development Foundation 1.0
File System:	XFS
System State:	Multi-User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	128	462	11463	128	436	12150
124.m88ksim	128	219	9998	128	197	11094
126.gcc	128	252	7783	128	273	7182
129.compress	128	187	11081	128	173	11979
130.li	128	217	10086	128	215	10163
132.ijpeg	128	266	10413	128	257	10776
134.perl	128	161	13625	128	161	13564
147.vortex	128	198	15725	128	197	15820
SPECint_rate_base95 (G. Mean)			11051			
SPECint_rate95 (G. Mean)						11335

Notes/Tuning Information

```
Portability Flags: all: -DUSG  gcc: -I./config -Dalloca=__builtin_alloca
FEEDBACK:
.   PASS1 = -fb_create /tmp/FBDIRx/$        where $ is the program name
.   PASS2 = -fb_opt /tmp/FBDIRx/$           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:ro=3:goto=off:unroll_times_max=32:unroll_size=300, 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 = 50
.  setenv PAGESIZE_DATA 1m
.
Jobs submitted using "dplace -place submit.pf -mustrun "
```

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: --