SPEC CINT95rate Results

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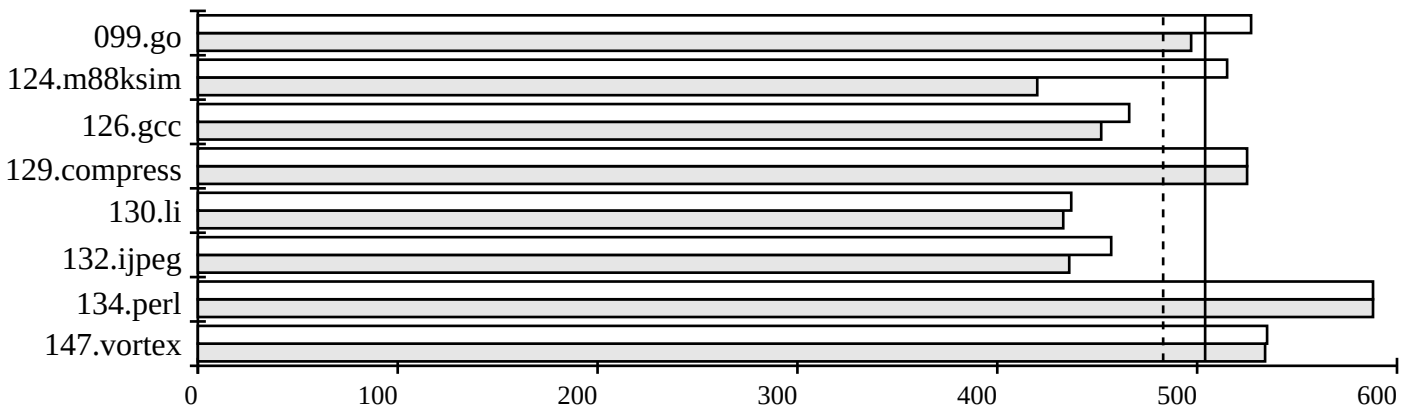
SGI Origin2000

SPECint_rate95 = 504

SPECint_rate_base95 = 483

SPEC license # 04	Tested By: SGI	Test Date: Dec-98	Hardware Avail: Mar-98	Software Avail: Jun-98



SPECrate

Hardware/Software Configuration for: Origin2000

Hardware

Model Name:	Origin2000 4X250MHz R10000
CPU:	250 MHz MIPS R10000 Processor Chip Revision: 3.4
FPU:	MIPS R10010 Floating Point Chip Revision: 0.0
Number of CPU(s):	4
Primary Cache:	32KBI + 32KBD on chip
Secondary Cache:	4MB (I+D)
Other Cache:	None
Memory:	1024MB
Disk Subsystem:	4 SCSI 4.4GB (striped)
Other Hardware:	none

Software

Operating System:	IRIX64 6.5.1m
Compiler:	MIPSpro C Compiler 7.2.1
	IRIX Development Foundation 1.1
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	4	333	497	4	314	527
124.m88ksim	4	163	420	4	133	515
126.gcc	4	135	452	4	131	466
129.compress	4	123	525	4	123	525
130.li	4	158	433	4	157	437
132.ijpeg	4	198	436	4	189	457
134.perl	4	116	588	4	116	588
147.vortex	4	182	534	4	182	535
SPECint_rate_base95 (G. Mean)			483			
				SPECint_rate95 (G. Mean)		504

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: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
```

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