SPEC CINT95rate Results

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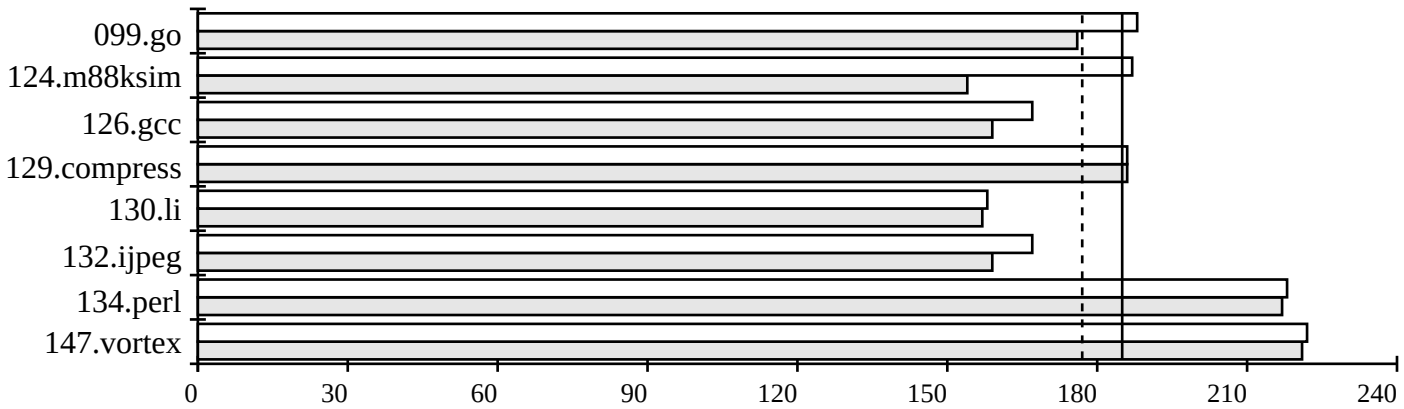
SGI Origin200

SPECint_rate95 = 185

SPECint_rate_base95 = 177

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



Hardware/Software Configuration for: Origin200

Hardware

Model Name:	Origin200 Server 2X R10000 180MHz
CPU:	180 MHz MIPS R10000 Processor Chip Revision: 2.6
FPU:	MIPS R10010 Floating Point Chip Revision: 0.0
Number of CPU(s):	2
Primary Cache:	32KBI + 32KBD on chip
Secondary Cache:	1MB (I+D)
Other Cache:	None
Memory:	512MB
Disk Subsystem:	1 SCSI 4.3GB
Other Hardware:	none

Software

Operating System:	IRIX64 6.4 w/patch2389
Compiler:	MIPSpro C Compiler 7.2
	IRIX Development Foundation 1.0 w/patch2687
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	2	470	176	2	441	188
124.m88ksim	2	222	154	2	183	187
126.gcc	2	192	159	2	184	167
129.compress	2	174	186	2	174	186
130.li	2	218	157	2	216	158
132.ijpeg	2	271	159	2	259	167
134.perl	2	157	217	2	157	218
147.vortex	2	220	221	2	219	222
SPECint_rate_base95 (G. Mean)			177			
				SPECint_rate95 (G. Mean)		185

Notes/Tuning Information

```
Portability Flags: all: -DUSG  gcc: -I./config
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 -Dalloca=__builtin_alloca, 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
```

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