SPEC CINT95 Results

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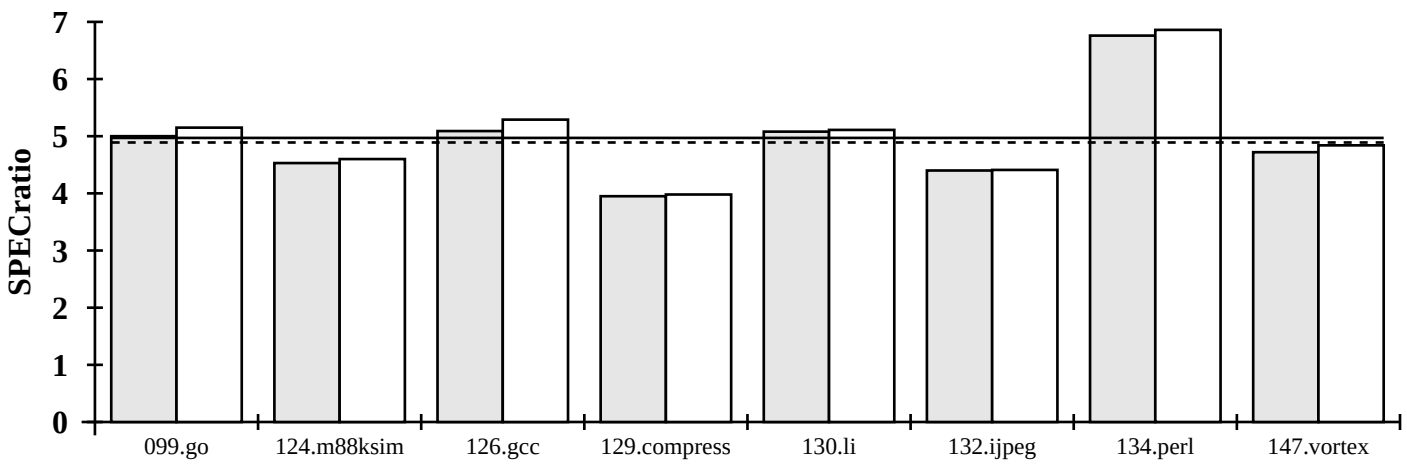
Siemens Nixdorf Informationssysteme RM300 Model C40

SPECint95 = 4.97

SPECint_base95 = 4.89

SPEC license # 22	Tested By: SNI, Paderborn / Germany	Test Date: Jan-97	Hardware Avail: Sep-96	Software Avail: Mar-97



Hardware/Software Configuration for:
RM300 Model C40

Hardware

Model Name:	RM300-C40
CPU:	180 MHz R5000
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	32KBI+32KBD on chip
Secondary Cache:	0.5MB(I+D) off chip
Other Cache:	None
Memory:	256MB
Disk Subsystem:	1 x 2GB + 1 x 4GB
Other Hardware:	None

Software

Operating System:	Reliant UNIX 5.43 C 00 (SP)
Compiler:	pyrC 5.0A00
File System:	VxFS (/var/tmp as RAM disk)
System State:	Multi User

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	921	5.00	893	5.15
124.m88ksim	1900	419	4.53	413	4.60
126.gcc	1700	334	5.09	321	5.29
129.compress	1800	456	3.95	452	3.98
130.li	1900	374	5.08	372	5.11
132.ijpeg	2400	546	4.40	545	4.41
134.perl	1900	281	6.76	277	6.86
147.vortex	2700	572	4.72	558	4.84
SPECint_base95 (G. Mean)			4.89		
		SPECint95 (G. Mean)			4.97

Notes/Tuning Information

```
Baseline:
PASS1_CFLAGS = -qfeedback -WM,-Omips4 -WM,-G44 -dn
PASS2_CFLAGS = -WM,-Omips4 -WM,-G44 -dn
Peak:
PASS1_CFLAGS = Same as baseline
PASS2_CFLAGS = -WM,-Omips4 -WM,-G44 (except 099.go) -dn, plus the following:
099.go :       -WM,-G1799 -Wo,-loopunroll:2 -Wg,-boc:0.95 -Wb,-prefetch,40,256 -Wg,-inline_limit:700
124.m88ksim :  -Wb,-prefetch,512,256 -Wo,-loopunroll:4 -Wb,-br_likely_cntl,60,200 -Wg,-space_time:0.8
126.gcc :      -Wb,-prefetch,512,0 -Wo,-loopunroll:2 -Wb,-br_likely_cntl,80,100 -Wg,-boc:2.3
129.compress : -Wb,-br_likely_cntl,60,100 -Wo,-loopunroll:4 -Wo,-unrolllimit:200 -Wg,-inline_limit:800
130.li :       -Wg,-inline_limit:1050 -Wg,-boc:1.0
132.ijpeg :    -Wo,-unrolllimit:1000 -Wo,-loopunroll:16 -Wg,-space_time:4 -Wb,-prefetch,110,0 -Wg,-inline_limit:1300
134.perl :     -Wo,-loopunroll:4 -Wg,-boc:1.7 -Wg,-inline_limit:500
147.vortex :   -Wo,-loopunroll:2 -Wg,-boc:0.9 -Wg,-inline_limit:500
For portability: 134.perl: -DI_TIME -DI_SYS_TIME
```

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