SPEC CINT95 Results

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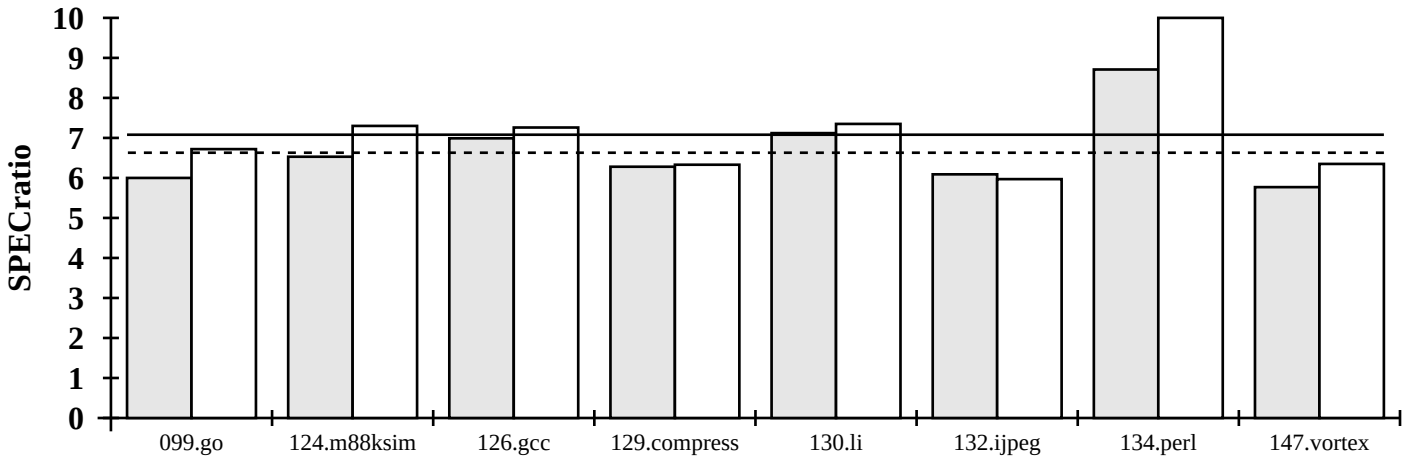
Siemens Nixdorf Informationssysteme RM300 Model E20

SPECint95 = 7.08

SPECint_base95 = 6.63

SPEC license # 22 | Tested By: SNI, Paderborn / Germany | Test Date: Jan-98 | Hardware Avail: Feb-98 | Software Avail: Feb-98



Hardware/Software Configuration for:
RM300 Model E20

Hardware

Model Name:	RM300-E20
CPU:	250 MHz R5000
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	32KBI+32KBD on chip
Secondary Cache:	2MB(I+D) off chip
Other Cache:	None
Memory:	2048MB
Disk Subsystem:	3 x 4GB (striped)
Other Hardware:	None

Software

Operating System:	Reliant UNIX 5.44 B 00 (SP)
Compiler:	pyrC 6.0A00
File System:	VxFS, -o nolog
System State:	Multi user, no extra processes

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	766	6.00	685	6.72
124.m88ksim	1900	291	6.53	260	7.30
126.gcc	1700	243	6.99	234	7.26
129.compress	1800	287	6.28	284	6.33
130.li	1900	267	7.12	259	7.35
132.ijpeg	2400	394	6.09	402	5.97
134.perl	1900	218	8.71	190	10.0
147.vortex	2700	468	5.77	425	6.35
SPECint_base95 (G. Mean)			6.63		
		SPECint95 (G. Mean)			7.08

Notes/Tuning Information

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Baseline:
PASS1 = -qfeedback; PASS2 = [empty]; OPTIMIZE = -WM,-Omips4 -WM,-G44 -dn
Peak:
099.go: -WM,-G1799 -Wo,-loopunroll,8 -Wo,-unrolllimit,2000 -Wg,-inline_limit,200
124.m88ksim: -WM,-G4000 -KOlimit:3500 -Wg,-inline_limit,1000  -Wo,-splitedges,0 -WM,-pre_opt
-Wo,-loopunroll,32,-unrolllimit,350 -Wb,-br_likely_cntl,60,200 -WG,-space_time:0.5
126.gcc: -WM,-G44 -WG,-boc,0.38,-only_clone_recursion,-recursion_depth,1,-clone_expansion,1.1 -Wb,-prefetch,512,0 -Wo,-recursive_calls
129.compress: -WM,-G44 -Wb,-no_self_copy
130.li: -WM,-G4000 -Wo,-unrolllimit,1000 -WG,-boc,0.35,-inline_limit,1500,-recursion_depth,3,-recursion_limit,400
-WG,-clone_expansion,1.25,-only_clone_recursion -Wg,-dont_prune_zero_edges
132.ijpeg: -WM,-G44 -Wo,-no_const_in_reg -Wo,-unrolllimit:800 -WG,-space_time:3.4 -Wb,-prefetch,100,0
134.perl: -WM,-G32 -KOlimit:5000 -Wo,-unrolllimit,500 -Wo,-recursive_calls -WG,-boc,0.25 -Wg,-recursion_limit,4700
-Wn,-recursion_limit,1000000,-recursion_depth,1,-only_clone_recursion -Wc,-xjp_mh_opt,1,30 -WM,-no_positioning
147.vortex: -WM,-G46 -Wo,-unrolllimit,1000 -Wg,-boc,0.91,-inline_limit,300

1-pass feedback for 099, 124, 129, 132, 147:
PASS1 = -qfeedback -WM,-Omips4 -dn
PASS2 = -WM,-Omips4 -dn, plus: see above

2-pass feedback for 126, 130, 134:
PASS1 = -qfeedback -WM,-Omips4 -dn
PASS2 = -qfeedback2 -WM,-Omips4 -dn, plus: see above
fdo_run1 = %command%
fdo_run2 = %command%
fdo_post2 = ksh -c "cd %benchtop%/src; 'grep '/usr/opt/pyrC/bin/cc' %benchtop%/src/make2.out | tail -1 | sed -e 's/-qfeedback2/-WM,-use_fb2/''"
i.e. use all flags of PASS2 except that "-qfeedback2" is replaced by "-WM,-use_fb2"

For Portability: 134.perl: -DI_TIME -DI_SYS_TIME
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-- Prepared By: --