SPEC CFP95 Results

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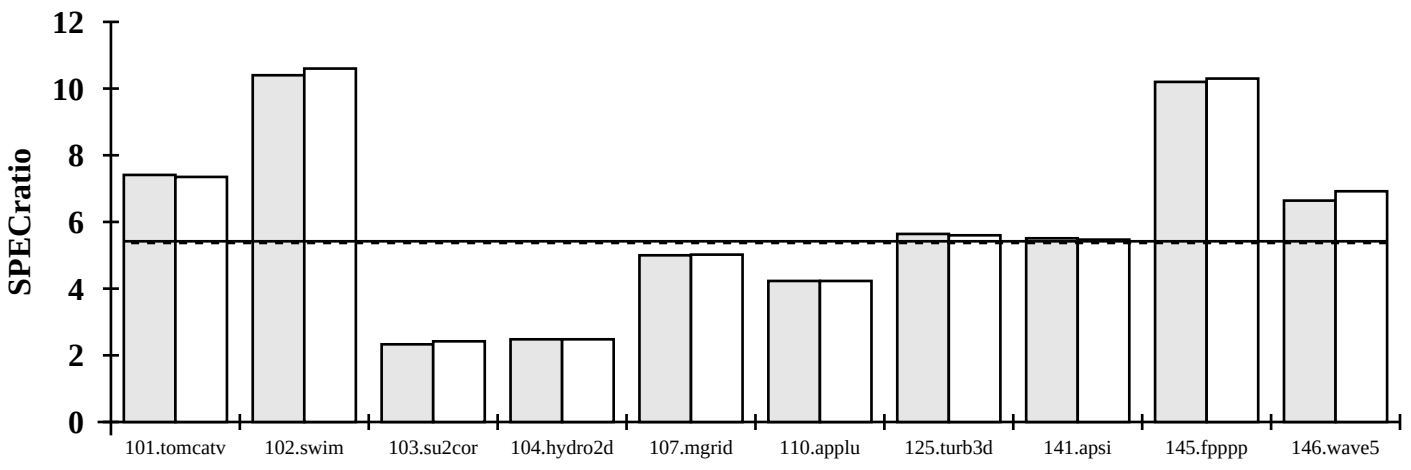
SGI
O2 R5000SC

SPECfp95 = 5.42

SPECfp_base95 = 5.37

SPEC license # 04	Tested By: SGI	Test Date: Oct-96	Hardware Avail: Oct-96	Software Avail: Oct-96



Hardware/Software Configuration for:
O2 R5000SC

Hardware

Model Name:	O2 R5000
CPU:	180MHz R5000SC 2.1
FPU:	180MHz R5000SC 1.0
Number of CPU(s):	1
Primary Cache:	32KBI+32KBD
Secondary Cache:	512KB(I+D)
Other Cache:	None
Memory:	64MB
Disk Subsystem:	1 SCSI 2GB
Other Hardware:	None

Software

Operating System:	IRIX 6.3 MR
Compiler:	MIPS PRO 7.1 KAP
File System:	XFS
System State:	Single User

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	499	7.41	503	7.35
102.swim	8600	828	10.4	808	10.6
103.su2cor	1400	600	2.33	580	2.42
104.hydro2d	2400	969	2.48	969	2.48
107.mgrid	2500	500	5.00	498	5.02
110.applu	2200	520	4.23	520	4.23
125.turb3d	4100	727	5.64	732	5.60
141.apsi	2100	381	5.51	384	5.47
145.fpppp	9600	940	10.2	932	10.3
146.wave5	3000	452	6.64	433	6.92
SPECfp_base95 (G. Mean)			5.37		
		SPECfp95 (G. Mean)			5.42

Notes/Tuning Information

```
Base Flags: Ofast=ip32_5k
Peak Flags:
fpppp: -Ofast=ip32_5k -LNO:fusion=2
wave5: -Ofast=ip32_5k -LNO:fusion=2 -TARG:pr=r5000
tomcatv: -O3 -n32 -mips4 -OPT:ro=3 -LNO:fusion=2 -TARG:pr=r5000
swim: -O3 -n32 -mips4 -OPT:ro=3:pad_common -Wl,-ivpad -TARG:pr=r5000
su2cor: -O3 -n32 -mips4 -TENV:X=3 -OPT:ro=3:IEEE_arith=3:unroll_times_max=2:unroll_size=0:unroll_analysis=off -TARG:pr=r5000
hydro2d: -Ofast=ip32_5k -LNO:fusion=2
mgrid: -Ofast=ip32_5k -LNO:fusion=2
applu: -O3 -n32 -mips4 -IPA -OPT:ro=3:div_split -LNO:fusion=2 -TARG:pr=r5000
turb3d: -O3 -n32 -mips4 -OPT:pad_common:ro=3:IEEE_arith=3 -Wl,-ivpad -TARG:pr=r5000
apsi: -O3 -n32 -mips4 -IPA -OPT:div_split -LNO:fusion=2:prefetch=0 -TARG:pr=r5000
```

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-- Prepared By: --