SPEC CFP95rate Results

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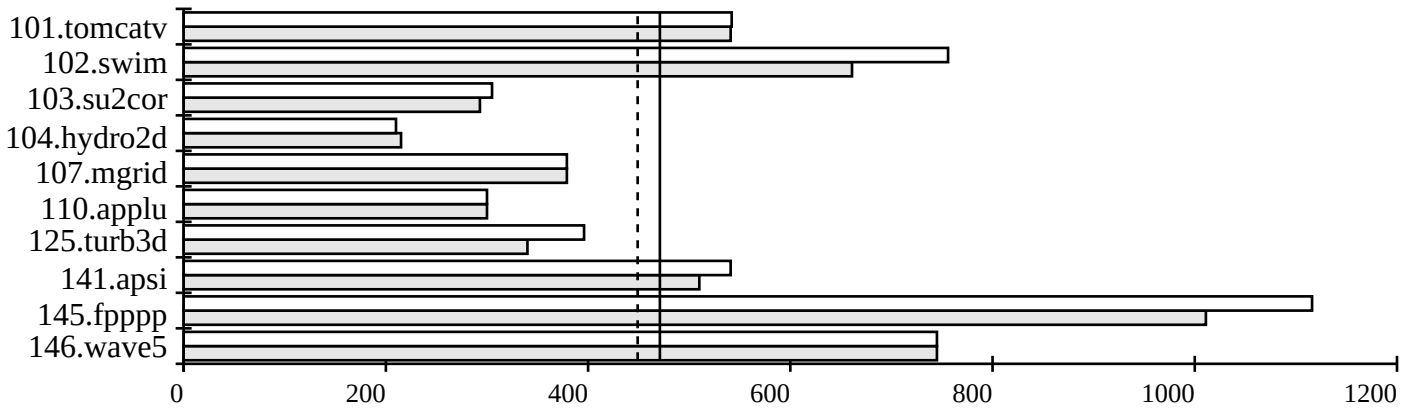
SGI Power Challenge

SPECfp_rate95	=	471
SPECfp_rate_base95	=	449

SPEC license # 04	Tested By: SGI	Test Date: Jul-96	Hardware Avail: Jun-96	Software Avail: Sep-96



Hardware/Software Configuration for: Power Challenge

Hardware

Model Name:	POWER CHALLENGE R10000
CPU:	195 MHz R10000 2.3
FPU:	R10010 0.0
Number of CPU(s):	4
Primary Cache:	16KI+16KD
Secondary Cache:	2MB(I+D)
Other Cache:	None
Memory:	2048MB, 8-way interleaved
Disk Subsystem:	1 SCSI 4GB, revision 0
Other Hardware:	None

Software

Operating System:	IRIX64 6.2 MR
Compiler:	MIPSpro 7.0P1483, KAP
File System:	XFS
System State:	Single-User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	4	246	541	4	246	542
102.swim	4	468	661	4	409	756
103.su2cor	4	172	293	4	165	305
104.hydro2d	4	402	215	4	412	210
107.mgrid	4	237	379	4	237	379
110.applu	4	264	300	4	264	300
125.turb3d	4	434	340	4	373	396
141.apsi	4	148	510	4	140	541
145.fpppp	4	342	1011	4	310	1116
146.wave5	4	145	745	4	145	745
SPECfp_rate_base95 (G. Mean)			449			
SPECfp_rate95 (G. Mean)						471

Notes/Tuning Information

```
Base Flags: -Ofast -LNO:fusion=2
Peak Flags:
tomcatv: -O3 -n32 -mips4 -OPT:ro=3 -LNO:fusion=2
swim: -O3 -n32 -mips4 -OPT:ro=3:pad_common -Wl,-ivpad
su2cor: -O3 -n32 -mips4 -TENV:X=3
unroll_analysis=off
hydro2d: -O3 -mips4 -n32 -TENV:X=4 -OPT:ro=3:IEEE_arith=3
fusion=2
mgrid: -O3 -n32 -mips4 -IPA -LNO:fusion=2:prefetch=2
applu: -O3 -n32 -mips4 -IPA -OPT:ro=3:div_split -LNO:fusion=2
turb3d: -O3 -n32 -mips4 -OPT:pad_common:ro=3:IEEE_arith=3 -Wl,-ivpad
apsi: -O3 -n32 -mips4 -IPA -OPT:div_split -LNO:fusion=2:prefetch=0
fpppp: -rag -O2 -n32 -mips4 -v6 -TARG:processor=t5
fold_arith_limit=4000 -WK,-so=1,-r=2,-o=2 -lfastm
wave5: -Ofast -LNO:fusion=2
```

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-- Prepared By: --