SPEC CFP95rate Results

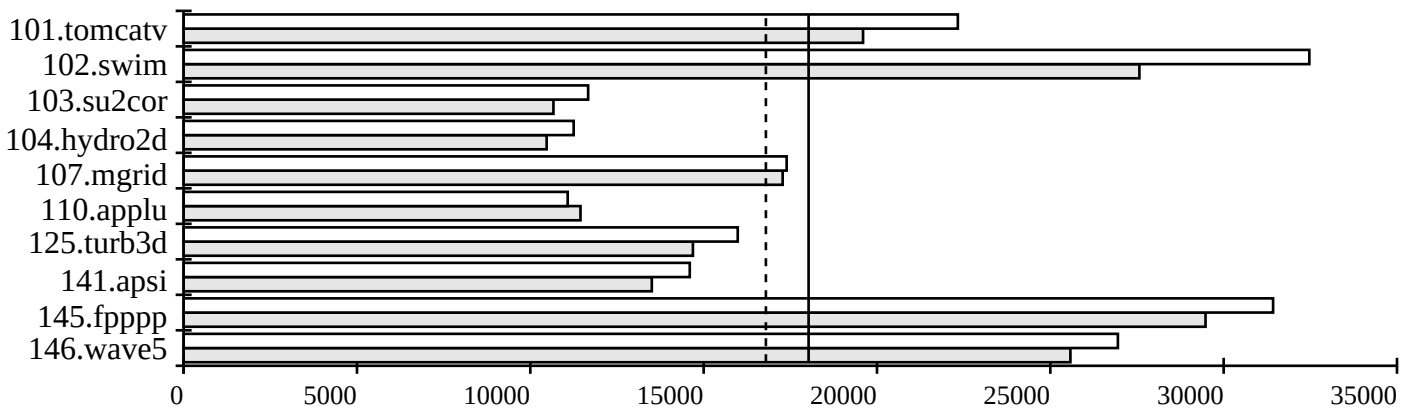
©Copyright 1995, Standard Performance Evaluation Corporation

SGI Origin2000

SPECfp_rate95 = 18027

SPECfp_rate_base95 = 16795

SPEC license # 04 | Tested By: SGI | Test Date: Feb-98 | Hardware Avail: Feb-98 | Software Avail: May-98



Hardware/Software Configuration for: Origin2000

Hardware

Model Name:	Origin2000: 128X 195MHz R10k
CPU:	195 MHz MIPS R10000 Processor Chip Revision: 2.6
FPU:	MIPS R10010 Floating Point Chip Revision: 0.0
Number of CPU(s):	128
Primary Cache:	32KBI + 32KBD on chip
Secondary Cache:	4MB (I+D)
Other Cache:	None
Memory:	36608MB
Disk Subsystem:	19 SCSI 9GB (striped - 256 blocks)
Other Hardware:	None

Software

Operating System:	IRIX64 6.5
Compiler:	MIPSpro Fortran 77 and 90 7.2
	IRIX Development Foundation 1.0
File System:	XFS
System State:	Multi-User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	128	217	19598	128	191	22332
102.swim	128	359	27569	128	305	32471
103.su2cor	128	151	10667	128	138	11668
104.hydro2d	128	264	10471	128	246	11250
107.mgrid	128	167	17279	128	166	17394
110.applu	128	221	11447	128	229	11078
125.turb3d	128	322	14690	128	296	15983
141.apsi	128	179	13504	128	166	14599
145.fpppp	128	375	29477	128	352	31426
146.wave5	128	135	25579	128	128	26949
SPECfp_rate_base95 (G. Mean)			16795			
SPECfp_rate95 (G. Mean)						18027

Notes/Tuning Information

```
All benchmarks were built using f77 unless noted otherwise
Base Flags: -Ofast=ip27 -LNO:fusion=2
Peak Flags:
FEEDBACK:
.   PASS1 = -fb_create /tmp/FBDIRx/$     where $ is the program name
.   PASS2 = -fb_opt /tmp/FBDIRx/$        where $ is the program name
tomcatv: f90 -O3 -n32 -mips4 -LNO:prefetch_ahead=1:blocking=off
swim:    -O3 -n32 -mips4 -LNO:fusion=2:prefetch_ahead=1 -OPT:ieee_arith=3:ro=3:cs2=1m
su2cor:  -n32 -mips4 -O3 -TENV:X=3 -OPT:ro=3:ieee_arith=3:unroll_times_max=2:unroll_size=0 -LNO:prefetch=0:fusion=2
.        -OPT:unroll_analysis=off -TARG:platform=ip27
hydro2d: -Ofast=ip27 -n32 -mips4 -TENV:X=4 -OPT:ro=3:ieee_arith=3 -LNO:prefetch=2:fusion=2 -LNO:blocking=off
mgrid:   -Ofast=ip27 -n32 -mips4 -LNO:fusion=2:prefetch=2:prefetch_ahead=1
applu:   -Ofast=ip27 -LNO:fusion=2
turb3d:  -Ofast=ip27 -IPA:inline=off -OPT:ieee_arith=3 -LNO:pf2=0:interchange=off:cs2=1m \
.        -OPT:unroll_times_max=2, FEEDBACK
apsi:    -O3 -n32 -mips4 -IPA -OPT:div_split -LNO:fusion=2:prefetch=0:interchange=off
fpppp:   -Ofast=ip27 -lfastm -LNO:fusion=2, FEEDBACK
wave5:   -Ofast -LNO:fusion=2:fission=2:prefetch=1:prefetch_ahead=1, FEEDBACK
.
Large pages were enabled for base and peak using:
.  systune -i ;  percent_totalmem_1m_pages = 50
.  setenv PAGESIZE_DATA 1m
.
Jobs submitted using "dplace -place submit.pf -mustrun "
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 20109
(703) 331-0180
info@specbench.org
http://www.specbench.org/

-- Prepared By: --