SPEC CFP95rate Results

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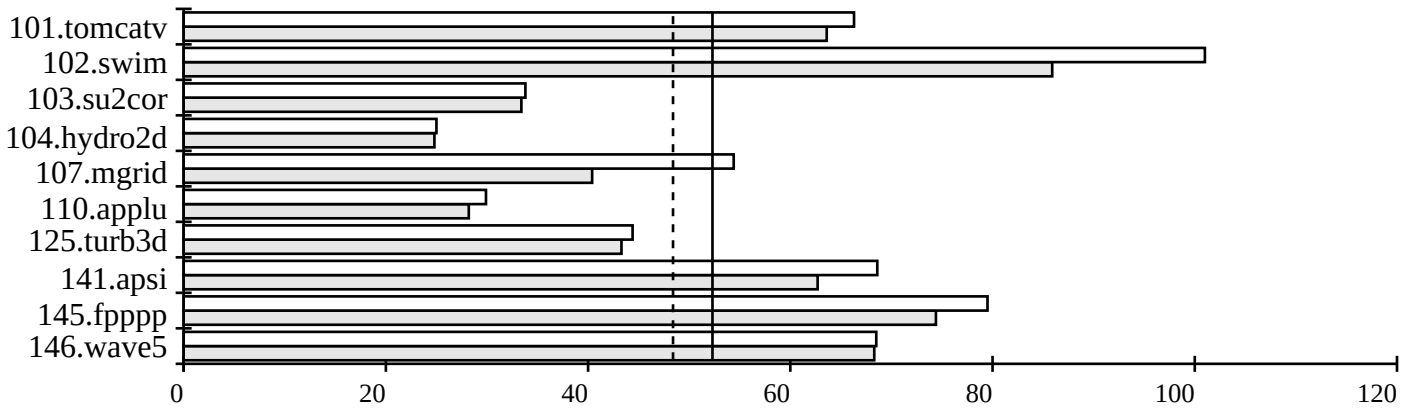
Digital Equipment Corp. AlphaStation 255/300

SPECfp_rate95 = 52.3

SPECfp_rate_base95 = 48.4

SPEC license # 2	Tested By: Digital NH	Test Date: Jul-96	Hardware Avail: Mar-96	Software Avail: Aug-96



Hardware/Software Configuration for:
AlphaStation 255/300

Hardware

Model Name:	AlphaStation 255/300
CPU:	300 MHz 21064A
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KB(I)+16KB(D) on chip
Secondary Cache:	1MB
Other Cache:	none
Memory:	128MB
Disk Subsystem:	1 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX V4
Compiler:	DEC FORTRAN V4.0 KAPF V3 960401 DEC C X5.3-148-334R
File System:	UFS
System State:	Multi User vm-page-free-min=5760

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	524	63.6	1	502	66.3
102.swim	1	902	85.9	1	766	101
103.su2cor	1	377	33.4	1	372	33.8
104.hydro2d	1	870	24.8	1	863	25.0
107.mgrid	1	557	40.4	1	413	54.4
110.applu	1	703	28.2	1	663	29.9
125.turb3d	1	851	43.3	1	831	44.4
141.apsi	1	302	62.7	1	276	68.6
145.fpppp	1	1162	74.4	1	1087	79.5
146.wave5	1	395	68.3	1	394	68.5
SPECfp_rate_base95 (G. Mean)			48.4			
SPECfp_rate95 (G. Mean)						52.3

Notes/Tuning Information

```
Compiler invokation: kf77
Base tuning: -noautomatic

Peak tuning:
tomcatv: -O5 -om -tL -h/usr/lib/cmplrs/cc.alt -B -fkapargs='-tune=ev5 -ag=ab -fuse'
swim: -O4 -om -tL -h/usr/lib/cmplrs/cc.alt -B -align dcommons -fkapargs='-tune=ev4 -ag=ab  -ur=2 -ur2=600 '
su2cor: no switches
hydro2d: -O5 -om -tL -h/usr/lib/cmplrs/cc.alt -B -inline speed -fkapargs='-tune=ev4
-ur=8 -ur2=400 -ipa_optimize=2'
mgrid: -O5 -om -tL -h/usr/lib/cmplrs/cc.alt -B -transform_loops -speculate all -fkapargs='-tune=ev4 -fuse '
applu: -O5 -fkapargs='-tune=ev4  -fuse -ag=a'
turb3d: -noautomatic -om -tL -h/usr/lib/cmplrs/cc.alt -B
apsi: -tune ev5 -O4 -om -tL -h/usr/lib/cmplrs/cc.alt -B -transform_loops
-fkapargs='-tune=ev5 -ag=ab -ur=4 -ur2=800 -nat -ipa_optimize=2'
fpppp: -O2 -noautomatic -fkapargs='-so=0 -o=0'
wave5: -noautomatic
```

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-- Prepared By: --