SPEC CFP95 Results

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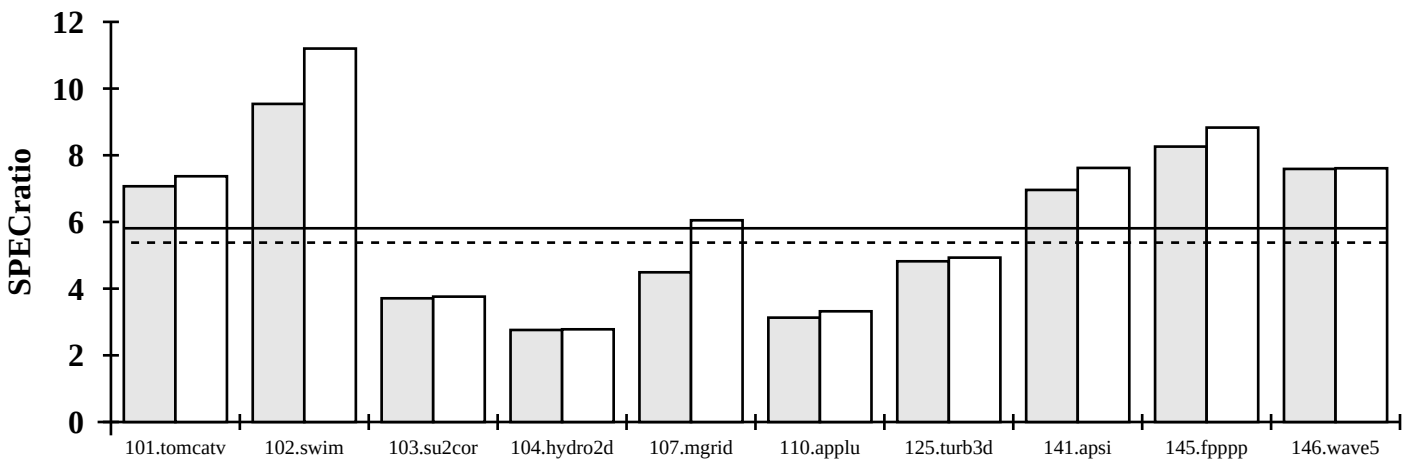
Digital Equipment Corp.
AlphaStation 255/300

SPECfp95 = 5.81

SPECfp_base95 = 5.38

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 V4.0A
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	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	524	7.07	502	7.37
102.swim	8600	902	9.54	766	11.2
103.su2cor	1400	377	3.71	372	3.76
104.hydro2d	2400	870	2.76	863	2.78
107.mgrid	2500	557	4.49	413	6.05
110.applu	2200	703	3.13	663	3.32
125.turb3d	4100	851	4.82	831	4.93
141.apsi	2100	302	6.96	276	7.62
145.fpppp	9600	1162	8.26	1087	8.83
146.wave5	3000	395	7.59	394	7.61
SPECfp_base95 (G. Mean)			5.38		
		SPECfp95 (G. Mean)			5.81

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: --