SPEC CFP95 Results

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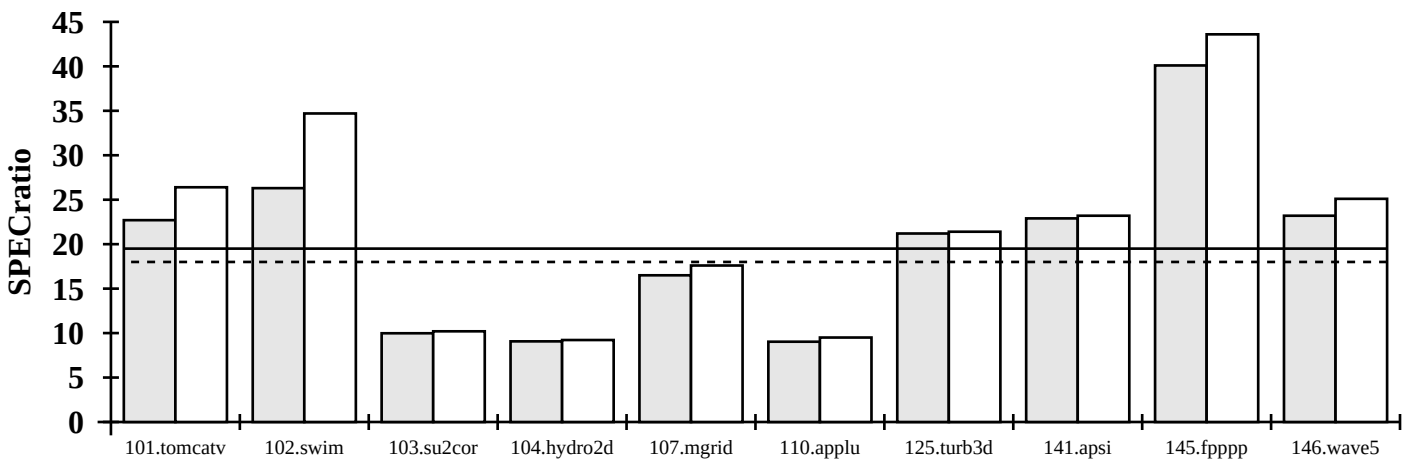
Digital Equipment Corporation
DIGITAL Personal Workstation 500au

SPECfp95 = 19.5

SPECfp_base95 = 18.0

SPEC license # 2	Tested By: Digital NH	Test Date: Apr-97	Hardware Avail: May-97	Software Avail: Sep-97



Hardware/Software Configuration for:
DIGITAL Personal Workstation 500au

Hardware

Model Name:	Personal Workstation 500au
CPU:	500 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB on chip
Other Cache:	2MB
Memory:	192MB
Disk Subsystem:	1 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX V4.0C
Compiler:	Fortran 77 X4.0-100-363C KAPF 3.1 961104
File System:	UFS
System State:	Multi User

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	163	22.7	140	26.4
102.swim	8600	327	26.3	248	34.7
103.su2cor	1400	140	9.98	137	10.2
104.hydro2d	2400	265	9.07	260	9.22
107.mgrid	2500	152	16.5	142	17.6
110.applu	2200	244	9.03	232	9.50
125.turb3d	4100	193	21.2	192	21.4
141.apsi	2100	91.7	22.9	90	23.2
145.fpppp	9600	239	40.1	220	43.6
146.wave5	3000	129	23.2	119	25.1
SPECfp_base95 (G. Mean)			18.0		
		SPECfp95 (G. Mean)			19.5

Notes/Tuning Information

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Compiler invocation: kf77
Base switches: -O5

Peak switches:
tomcatv: -O5 -fkapargs='-ag=ab -fuselevel=2'
su2cor:  -O5 -transform_loops -speculate all -fkapargs='-ur=4'
hydro2d: -O5 -inline speed -fkapargs='-tune=ev4 -ur=8 -ur2=400 -ipa_optimize=2'
mgrid:   -O5 -transform_loops -speculate all -fkapargs='-fuselevel=1 -ipa'
applu:   -O5 -fkapargs='-tune=ev4 -fuse -ag=a'
turb3d:  -O5 -fkapargs='-fuse -fuselevel=2 -ipa'
apsi:    -O5 -transform_loops -fkapargs='-ag=ab -ur=4 -ur2=800 -ipa_optimize=2'
fpppp:   -O2 -fkapargs='-so=0 -o=0'
wave5:   -O5 -speculate all -fkapargs='-ipa -ag=a -ur=5 -ur2=600'
swim:    -O5 -transform_loops -fkapargs='-tune=ev4 -fuselevel=2 -ag=ab -r=1
-ur=2 -ur2=600 '
```

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-- Prepared By: --