SPEC CFP95 Results

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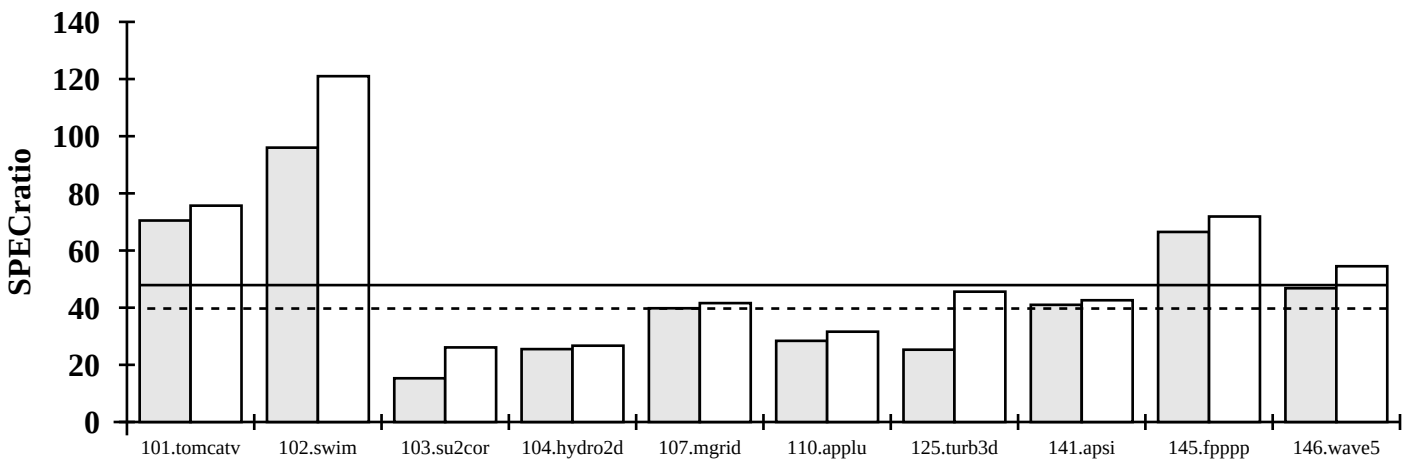
Compaq Computer Corporation
Professional Workstation XP900

SPECfp95 = 47.9

SPECfp_base95 = 39.7

SPEC license # 2	Tested By: Compaq NH	Test Date: Mar-99	Hardware Avail: Aug-99	Software Avail: Apr-99



Hardware/Software Configuration for:
Professional Workstation XP900

Hardware

Model Name:	Professional Workstation XP900
CPU:	466 MHz Alpha 21264
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	2MB (I+D) off chip
Other Cache:	None
Memory:	1GB
Disk Subsystem:	2x4.3GB
Other Hardware:	Ethernet

Software

Operating System:	Compaq Tru64 UNIX X4.0F-4
Compiler:	Digital Fortran V5.2 KAP Fortran V4.1
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	52.5	70.5	49	75.7
102.swim	8600	89.6	96.0	71	121
103.su2cor	1400	91.2	15.3	54	26.1
104.hydro2d	2400	94.2	25.5	90	26.7
107.mgrid	2500	62.8	39.8	60	41.6
110.applu	2200	77.5	28.4	70	31.6
125.turb3d	4100	162	25.3	90	45.6
141.apsi	2100	51.2	41.0	49	42.6
145.fpppp	9600	144	66.5	134	71.9
146.wave5	3000	64.1	46.8	55	54.5
SPECfp_base95 (G. Mean)			39.7		
		SPECfp95 (G. Mean)			47.9

Notes/Tuning Information

```
base:    kf77 -arch ev6 -O5 -transform_loops -fkapargs='-ur=1'

tomcatv: kf90 -arch ev6 -O5 -inline none
.             -fkapargs='-fuselevel=2 -interleave -ur=9 -ur2=460 -ur3=30 '
swim:    kf77 -arch ev6 -O5 -fkapargs='-ag=a -fuselevel=2 -ur=1'
su2cor:  kf90 -arch ev6 -speculate all -transform_loops -unroll 8 -fkapargs=' -ag=abfg -ur=1 '
hydro2d: kf90 -arch ev6 -O5 -fkapargs='-fuselevel=2 -ur2=400'
mgrid:   kf77 -arch ev6 -O5 -speculate all -fkapargs='-fuselevel=2 -ur=1'
applu:   kf90 -arch ev6 -transform_loops -automatic
.             -fkapargs=' -r=2 -o=0 -ur2=60 '
turb3d:  kf90 -arch ev6 -O5 -speculate all -automatic
.             -fkapargs=' -ag=a -o=1 -ur2=760 -ur3=100 '
apsi:    kf90 -arch ev6 -O5 -automatic
.             -fkapargs=' -fuse -o=4 -interleave -ur=8 -ur2=60 '
fpppp:   kf90 -arch ev6 -O2 -transform_loops -fkapargs='-so=0 -o=0'
wave5:   kf77 -arch ev6 -O5 -unroll 5 -fkapargs='-ag=a -ur=7 -ur3=10'
```

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-- Prepared By: --