SPEC CFP95 Results

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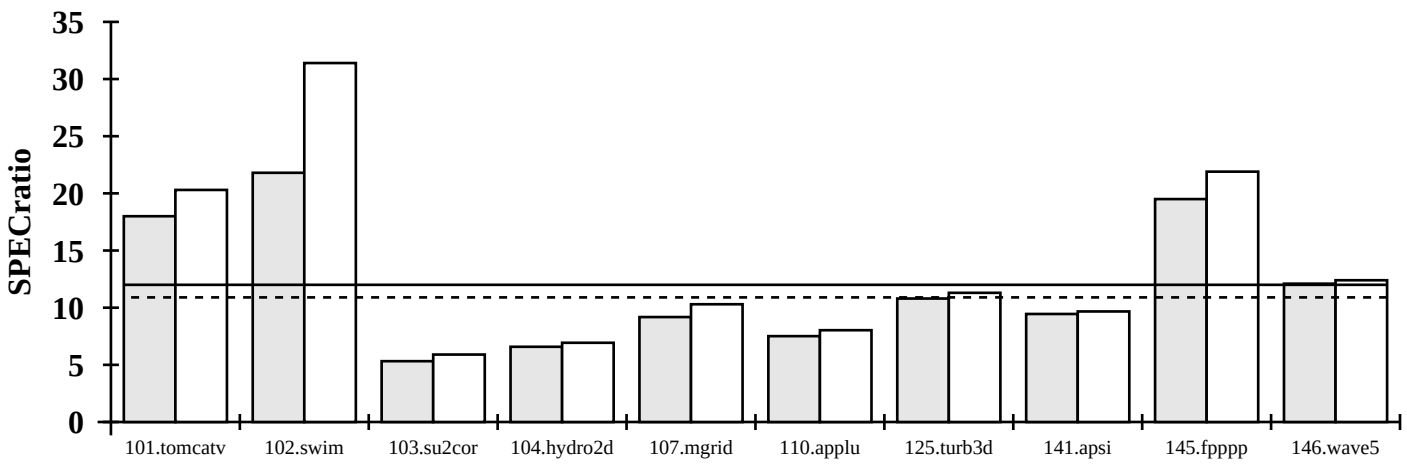
Digital Equipment Corp.
AlphaServer 4100 5/300E

SPECfp95 = 12.0

SPECfp_base95 = 10.9

SPEC license # 2	Tested By: Digital NH	Test Date: Apr-96	Hardware Avail: May-96	Software Avail: May-96



Hardware/Software Configuration for:
AlphaServer 4100 5/300E

Hardware

Model Name:	AlphaServer 4100 5/300E
CPU:	300 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	none
Memory:	128MB
Disk Subsystem:	2 x 2GB, 1 x 4GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX T3.2F-2 (rev. 69.55)
Compiler:	DEC C V5.2-122/DEC FORTRAN V3.8 KAPF V2.2a (Mar-96)
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	206	18.0	182	20.3
102.swim	8600	395	21.8	274	31.4
103.su2cor	1400	263	5.32	237	5.90
104.hydro2d	2400	365	6.58	346	6.93
107.mgrid	2500	272	9.18	242	10.3
110.applu	2200	293	7.51	274	8.03
125.turb3d	4100	379	10.8	363	11.3
141.apsi	2100	222	9.45	217	9.67
145.fpppp	9600	493	19.5	439	21.9
146.wave5	3000	248	12.1	241	12.4
SPECfp_base95 (G. Mean)			10.9		
		SPECfp95 (G. Mean)			12.0

Notes/Tuning Information

```
Baseline:   kf77 -fast -O5 -non_shared -om
Peak:     kf77
tomcatv: -fast -O5 -non_shared -om -fkapargs='-tune=ev5 -ag=ab -fuse -fuselevel=2'
swim: -fast -O5 -non_shared -om -align dcommons -tune ev5 -fkapargs='-tune=ev4 -ag=ab  -ur=2 -ur2=600 -nat'
su2cor: -fast -O5 -non_shared -om -tune ev5 -fkapargs='-tune=ev4 -ag=a -nat'
hydro2d: -tune ev5  -O5  -om -inline speed -fkapargs='-tune=ev4  -ur=8  -ur2=400'
mgrid: -fast -O5 -non_shared -om -tune ev5 -fkapargs='-tune=ev5 -fuse'
applu: -tune generic -O5 -non_shared -om -WL,-om_dead_code -fkapargs='-tune=ev4 -ag=a -fuse -nat '
turb3d: -fast -O5 -non_shared -om -automatic  -fkapargs='-tune=ev5 -fuse -nat'
apsi: -fast -O5 -non_shared -om  -fkapargs='-tune=ev5 -ag=ab -ur=4 -ur2=800 -nat'
fpppp: -fast -O2 -non_shared -om -fkapargs='-ur=1'
wave5: -fast -O4 -non_shared -tune ev5 -fkapargs='-tune=ev5 -ag=a -nat -ur=5 -ur2=600'
```

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-- Prepared By: --