SPEC CFP95 Results

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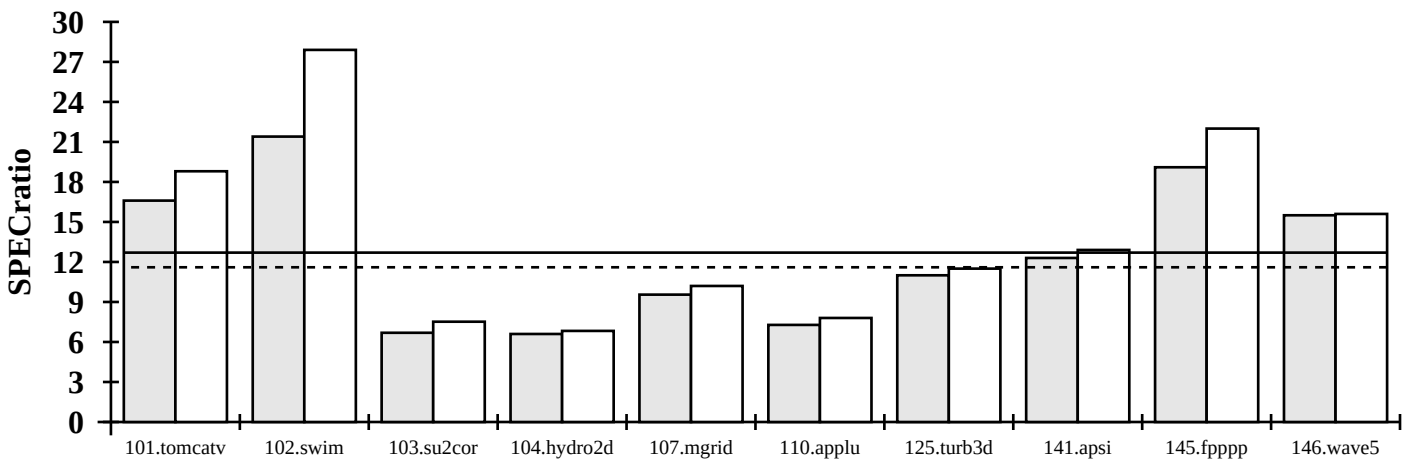
Digital Equipment Corp.
AlphaServer 4100 5/300

SPECfp95 = 12.7

SPECfp_base95 = 11.6

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



Hardware/Software Configuration for:
AlphaServer 4100 5/300

Hardware

Model Name:	AlphaServer 4100 5/300
CPU:	300 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	2MB
Memory:	256MB
Disk Subsystem:	2 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX T3.2F-2 (rev. 69.55)
Compiler:	DEC FORTRAN V3.8 KAPF V2.2a (Mar-96)
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	223	16.6	197	18.8
102.swim	8600	402	21.4	308	27.9
103.su2cor	1400	209	6.69	186	7.52
104.hydro2d	2400	364	6.60	351	6.83
107.mgrid	2500	262	9.55	245	10.2
110.applu	2200	302	7.28	282	7.80
125.turb3d	4100	374	11.0	356	11.5
141.apsi	2100	171	12.3	163	12.9
145.fpppp	9600	504	19.1	437	22.0
146.wave5	3000	194	15.5	192	15.6
SPECfp_base95 (G. Mean)			11.6		
		SPECfp95 (G. Mean)			12.7

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: --