SPEC CFP95 Results

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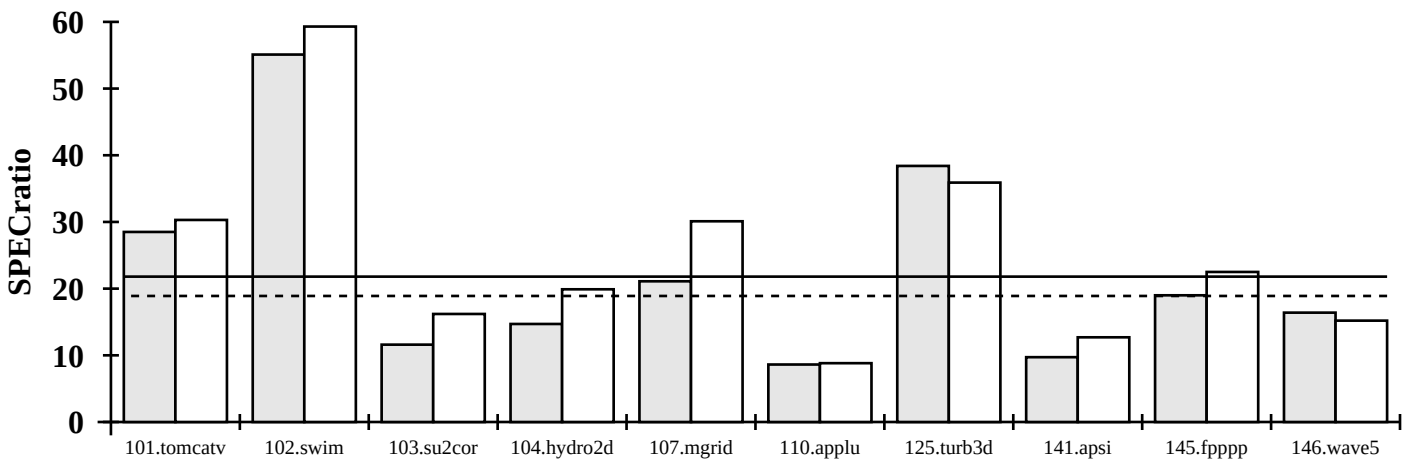
Digital Equipment Corp.
AlphaServer 4100 5/300

SPECfp95	=	21.8
SPECfp_base95	=	18.9

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 5/300

Hardware

Model Name:	AlphaServer 4100 5/300
CPU:	300 MHz 21164
FPU:	Integrated
Number of CPU(s):	4
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	2MB
Memory:	256MB
Disk Subsystem:	1 x 4GB, 2 x 2GB
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

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	130	28.5	122	30.3
102.swim	8600	156	55.1	145	59.3
103.su2cor	1400	120	11.6	87	16.2
104.hydro2d	2400	163	14.7	120	19.9
107.mgrid	2500	118	21.1	83	30.1
110.applu	2200	255	8.62	250	8.82
125.turb3d	4100	107	38.4	114	35.9
141.apsi	2100	216	9.72	165	12.7
145.fpppp	9600	506	19.0	426	22.5
146.wave5	3000	183	16.4	197	15.2
SPECfp_base95 (G. Mean)			18.9		
		SPECfp95 (G. Mean)			21.8

Notes/Tuning Information

```
Baseline: kf77 -tune ev5 -fkapargs='-conc -ipa_optimize=2 -mc=10000'
Peak:  kf77
101.tomcatv -O5 -fkapargs='-tune=ev5 -ag=ab -ur=1 -conc'
102.swim -O5 -fkapargs='-tune=ev5 -ag=ab -ur=1 -conc'
103.su2cor -O5 -noautomatic -fkapargs='-ag=ab -conc -ur=1'
104.hydro2d -O5 -fkapargs='-ag=ab -ur=1 -conc -inl -inll=1 -ind=1 '
107.mgrid -O5 -fkapargs='-ag=ab -conc -ur=1'
110.applu -O5 -fkapargs='-ag=ab -conc -ur=1 -inl -ind=2 -inll=2'
125.turb3d -O5 -fkapargs='-conc -ipa -ipall=3 -ind=10 -noarclimit -heaplimit=500 -ur=1'
141.apsi -O5 -om -fkapargs=' -tune=ev5 -ag=ab -ur=4 -ur2=800 -nat'
145.fpppp -O2 -om -fkapargs='-tune=ev5 -ag=a -ur=4 -ur2=560'
146.wave5 -O5 -fkapargs='-ag=a -nat -ur=5 -ur2=600'
```

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-- Prepared By: --