SPEC CFP95 Results

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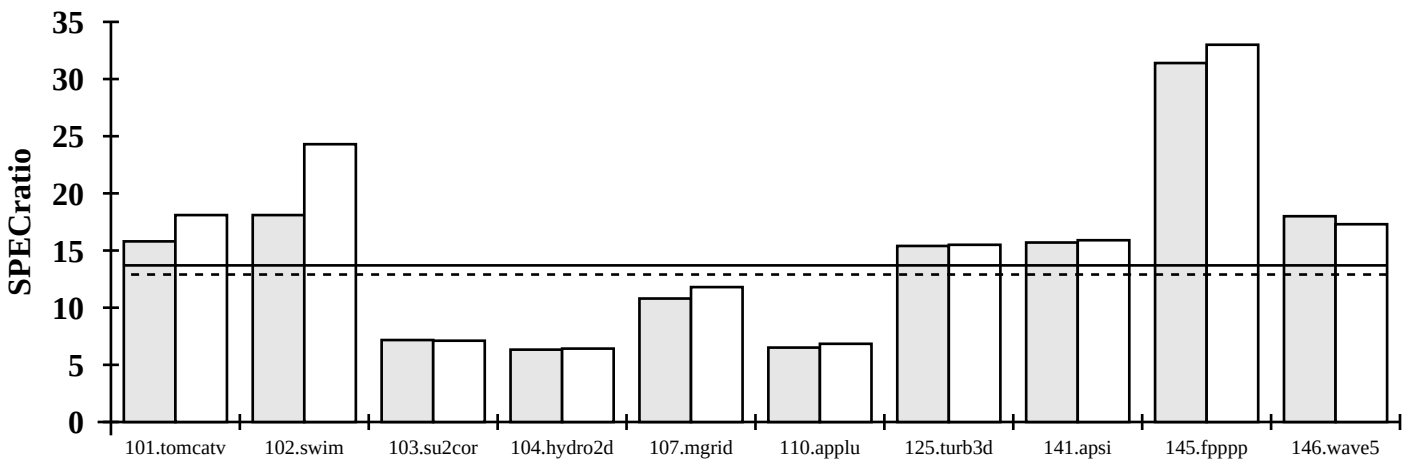
Digital Equipment Corp.
AlphaServer 800 5/400

SPECfp95 = 13.7

SPECfp_base95 = 12.9

SPEC license # 2	Tested By: Digital NH	Test Date: Feb-97	Hardware Avail: Apr-97	Software Avail: Dec-96



Hardware/Software Configuration for:
AlphaServer 800 5/400

Hardware

Model Name:	AlphaServer 800 5/400
CPU:	400 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	2MB
Memory:	1024MB
Disk Subsystem:	1 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX V4.0B
Compiler:	Digital Fortran V4.1 KAPF V3.1
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	234	15.8	204	18.1
102.swim	8600	475	18.1	354	24.3
103.su2cor	1400	195	7.17	197	7.11
104.hydro2d	2400	379	6.33	374	6.42
107.mgrid	2500	232	10.8	212	11.8
110.applu	2200	338	6.51	321	6.84
125.turb3d	4100	265	15.4	265	15.5
141.apsi	2100	134	15.7	132	15.9
145.fpppp	9600	306	31.4	291	33.0
146.wave5	3000	167	18.0	174	17.3
SPECfp_base95 (G. Mean)			12.9		
		SPECfp95 (G. Mean)			13.7

Notes/Tuning Information

```
Compiler: kf77     Base tuning: -O5
Peak tuning:
tomcatv: -O5 -fkapargs='-ag=ab -fuselevel=2'
swim: -O5 -transform_loops -fkapargs='-tune=ev4 -fuselevel=2 -ag=ab -r=1 -ur=2 -ur2=600 '
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'
```

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-- Prepared By: --