SPEC CFP95 Results

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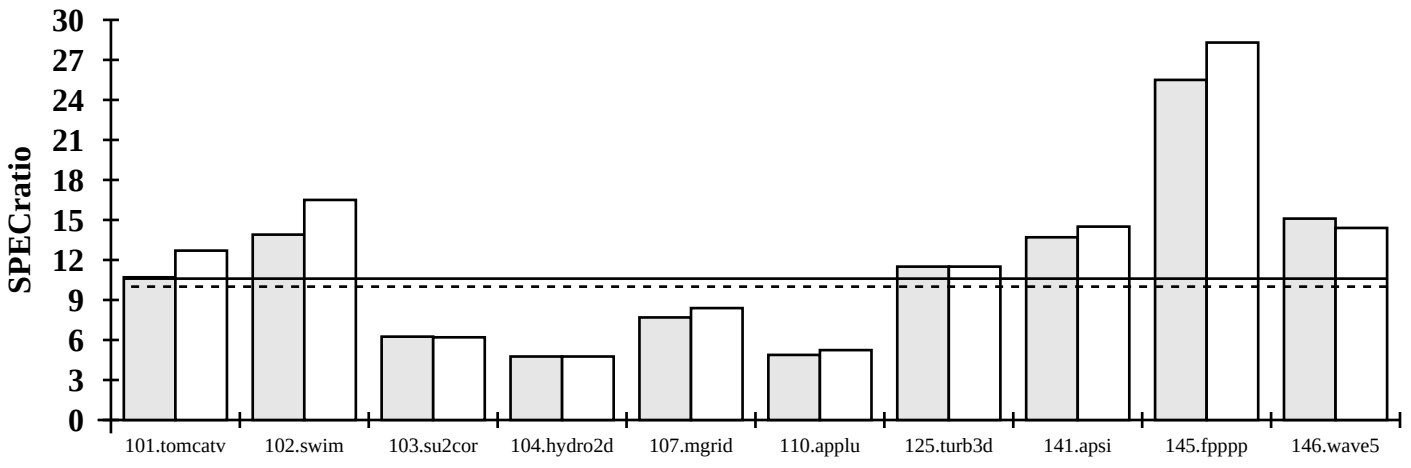
Digital Equipment Corp.
AlphaServer 1000A 5/333

SPECfp95 = 10.6

SPECfp_base95 = 10.0

SPEC license # 2	Tested By: Digital NH	Test Date: Oct-96	Hardware Avail: Nov-96	Software Avail: Dec-96



Hardware/Software Configuration for:
AlphaServer 1000A 5/333

Hardware

Model Name:	AlphaServer 1000A 5/333
CPU:	333 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	2MB
Memory:	128MB
Disk Subsystem:	1 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX V4.0A
Compiler:	Digital FORTRAN T4.1-33AM KAP T3.1 k271611
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	347	10.7	292	12.7
102.swim	8600	617	13.9	522	16.5
103.su2cor	1400	224	6.25	226	6.20
104.hydro2d	2400	504	4.76	504	4.76
107.mgrid	2500	325	7.69	298	8.39
110.applu	2200	451	4.88	420	5.24
125.turb3d	4100	355	11.5	355	11.5
141.apsi	2100	153	13.7	144	14.5
145.fpppp	9600	376	25.5	339	28.3
146.wave5	3000	199	15.1	208	14.4
SPECfp_base95 (G. Mean)			10.0		
		SPECfp95 (G. Mean)			10.6

Notes/Tuning Information

```
Compiler invokation: kf77      Base optimizations: -O5

Peak uses 'setenv DECFORT_CC cc.alt', plus:
tomcatv: -O5 -om -fkapargs='-tune=ev5 -ag=ab -fuselevel=2'
swim: -O5 -tune ev5 -om -transform_loops -fkapargs='-ag=ab -r=1 -ur=2 -ur2=600 '
su2cor: -transform_loops -speculate all
hydro2d: -O5 -om -inline speed -fkapargs='-tune=ev4 -ur=8 -ur2=400 -ipa_optimize=2'
mgrid: -O5 -om -transform_loops -speculate all -fkapargs='-tune=ev5 -fuselevel=1 -ipa'
applu: -O5 -fkapargs='-tune=ev4  -fuse -ag=a'
turb3d: -O5 -nopipeline -fkapargs='-tune=ev5 -fuse -fuselevel=2 -ipa'
apsi: -O5 -om -transform_loops -fkapargs='-tune=ev5 -ag=ab -ur=4 -ur2=800 -ipa_optimize=2'
fpppp: -O2 -fkapargs='-so=0 -o=0'
wave5: -speculate all -fkapargs='-ag=a -ur=5 -ur2=600' with feedback
feedback: PASS1=-gen_feedback
fdo_pre1=mv %binary% %exename%.orig;pixie -pids %exename%.orig -o %exename%
fdo_run1=%command%
fdo_post1=prof -pixie -feedback ../../src/%exename%.fb
%exename%.orig %exename%.orig.Addrs %exename%.orig.Counts.*
PASS2=-feedback $(EXENAME).fb
```

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