SPEC CFP95 Results

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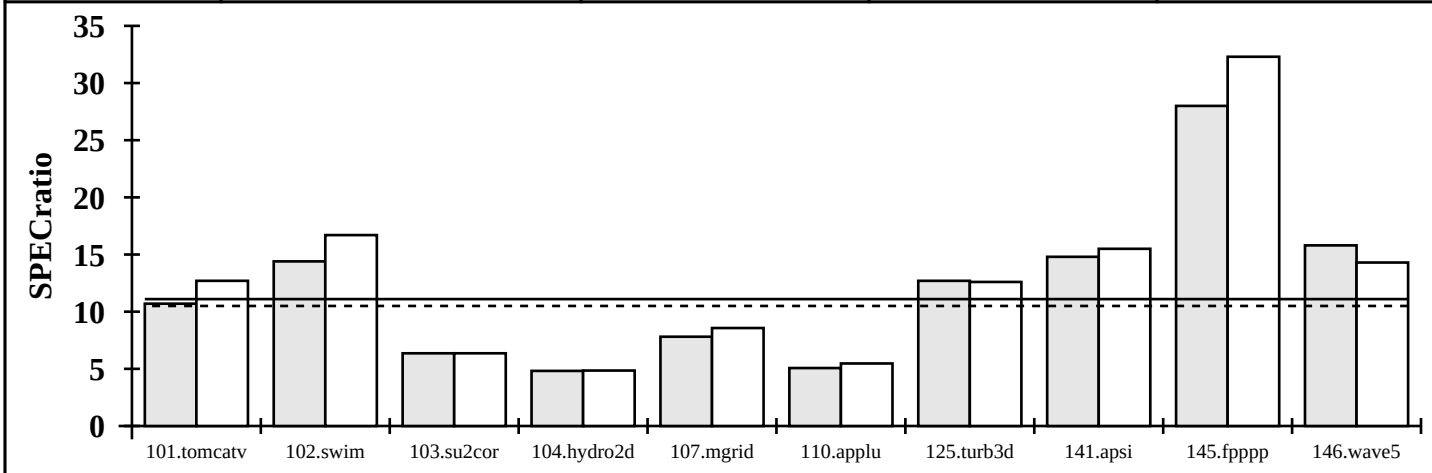
Digital Equipment Corp.
AlphaServer 1000A 5/400

SPECfp95 = 11.1

SPECfp_base95 = 10.5

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 5/400

Hardware

Model Name:	AlphaServer 1000A 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:	128MB
Disk Subsystem:	1 x 4GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX 4.0A
Compiler:	Digital FORTRAN T4.1-338L KAPF 3.0A 960725
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	345	10.7	291	12.7
102.swim	8600	596	14.4	516	16.7
103.su2cor	1400	220	6.36	220	6.36
104.hydro2d	2400	498	4.82	495	4.85
107.mgrid	2500	320	7.81	292	8.57
110.applu	2200	434	5.07	402	5.47
125.turb3d	4100	322	12.7	324	12.6
141.apsi	2100	141	14.8	136	15.5
145.fpppp	9600	342	28.0	297	32.3
146.wave5	3000	190	15.8	210	14.3
SPECfp_base95 (G. Mean)			10.5		
		SPECfp95 (G. Mean)			11.1

Notes/Tuning Information

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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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