SPEC CFP95 Results

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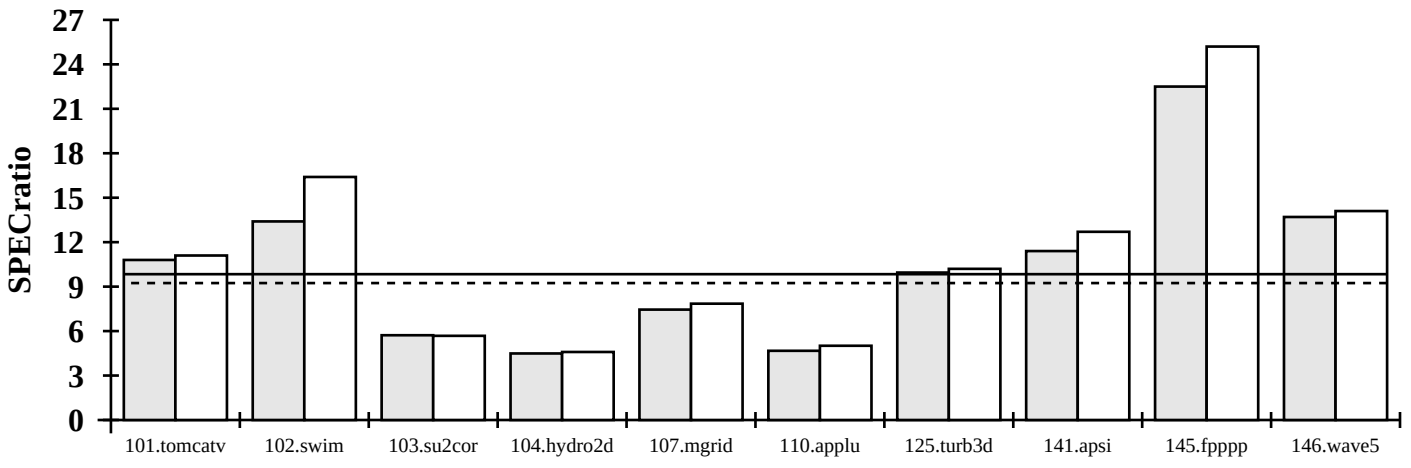
Digital Equipment Corp.
AlphaServer 1000A 5/300

SPECfp95 = 9.84

SPECfp_base95 = 9.24

SPEC license # 2	Tested By: Digital NH	Test Date: Jun-96	Hardware Avail: Jul-96	Software Avail: Aug-96



Hardware/Software Configuration for:
AlphaServer 1000A 5/300

Hardware

Model Name:	AlphaServer 1000A 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:	128MB
Disk Subsystem:	1 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX V4.0A
Compiler:	DEC FORTRAN V4.0/KAPF V3 960401
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	344	10.8	335	11.1
102.swim	8600	641	13.4	526	16.4
103.su2cor	1400	245	5.72	246	5.68
104.hydro2d	2400	534	4.49	523	4.59
107.mgrid	2500	336	7.45	319	7.85
110.applu	2200	471	4.67	439	5.01
125.turb3d	4100	412	9.95	402	10.2
141.apsi	2100	184	11.4	165	12.7
145.fpppp	9600	427	22.5	380	25.2
146.wave5	3000	218	13.7	213	14.1
SPECfp_base95 (G. Mean)			9.24		
			SPECfp95 (G. Mean)		9.84

Notes/Tuning Information

```
compiler: kf77  baseline optimizations: -noautomatic -O5

Peak:   tomcatv: -O5 -om -tL -h/usr/lib/cmplrs/cc.alt -B -fkapargs='-tune=ev5 -ag=ab -fuse'
swim: -O5 -om -tL -h/usr/lib/cmplrs/cc.alt -B -align dcommons -fkapargs='-tune=ev5 -ag=ab  -ur=2 -ur2=600 '
su2cor: -transform_loops -speculate all     hydro2d: -tune ev5  -O5  -om -tL -h/usr/lib/cmplrs/cc.alt -B
-inline speed -fkapargs='-tune=ev4  -ur=8  -ur2=400 -ipa_optimize=2'     mgrid: -O5 -om -tL
-h/usr/lib/cmplrs/cc.alt -B -transform_loops -speculate all -fkapargs='-tune=ev5 -fuse '
applu: -tune ev5 -O5 -fkapargs='-tune=ev4  -fuse -ag=a'     turb3d: -O5 -nopipeline -fkapargs='-tune=ev5
-fuse '  with feedback     apsi: -O5 -om -tL -h/usr/lib/cmplrs/cc.alt -B -transform_loops
-fkapargs='-tune=ev5 -ag=ab -ur=4 -ur2=800 -nat -ipa_optimize=2'     fpppp: -O2 -noautomatic
-fkapargs='-so=0 -o=0'     wave5: -speculate all -fkapargs='-tune=ev5 -ag=a -nat -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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-- Prepared By: --