SPEC CFP95 Results

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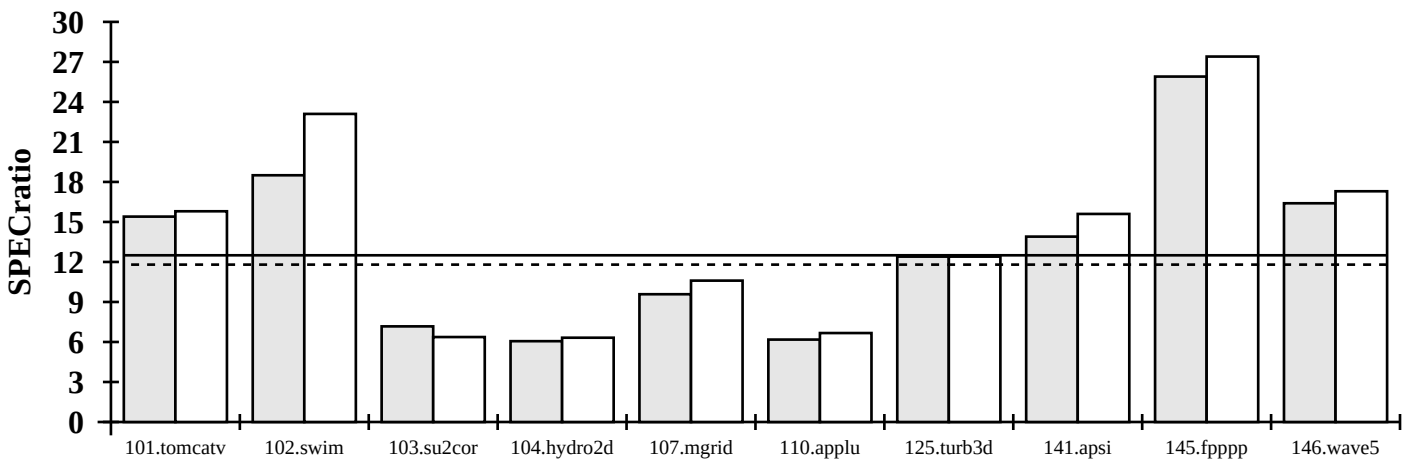
Digital Equipment Corp.
AlphaStation 500/333

SPECfp95 = 12.5

SPECfp_base95 = 11.8

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



Hardware/Software Configuration for:
AlphaStation 500/333

Hardware

Model Name:	AlphaStation 500/333
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:	DEC FORTRAN V4.0/KAPF V3 960401 DEC C X5.3-148-334R
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	241	15.4	234	15.8
102.swim	8600	466	18.5	372	23.1
103.su2cor	1400	195	7.17	220	6.37
104.hydro2d	2400	396	6.06	380	6.32
107.mgrid	2500	261	9.58	236	10.6
110.applu	2200	356	6.18	330	6.67
125.turb3d	4100	332	12.4	330	12.4
141.apsi	2100	151	13.9	135	15.6
145.fpppp	9600	370	25.9	350	27.4
146.wave5	3000	183	16.4	174	17.3
SPECfp_base95 (G. Mean)			11.8		
			SPECfp95 (G. Mean)		12.5

Notes/Tuning Information

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

Peak:   tomcatv: -fast -O5 -non_shared -om -tL -h/usr/lib/cmplrs/cc.alt -B -fkapargs='-tune=ev5 -ag=ab -fuse'     swim: -fast
-O5 -non_shared -om -tL -h/usr/lib/cmplrs/cc.alt -B -align dcommons -tune ev5 -fkapargs='-tune=ev5 -ag=ab  -ur=2 -ur2=600 '
su2cor: -fast -tune ev5 -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: -fast -O5 -om -tL -h/usr/lib/cmplrs/cc.alt -B
-transform_loops -tune ev5 -speculate all -fkapargs='-tune=ev5 -fuse '     applu: -tune ev5 -O5 -fkapargs='-tune=ev4  -fuse
-ag=a'     turb3d: -fast -O5 -nopipeline -fkapargs='-tune=ev5 -fuse ' with feedback     apsi: -fast -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: -fast -O4 -tune ev5 -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: --