SPEC CFP95rate Results

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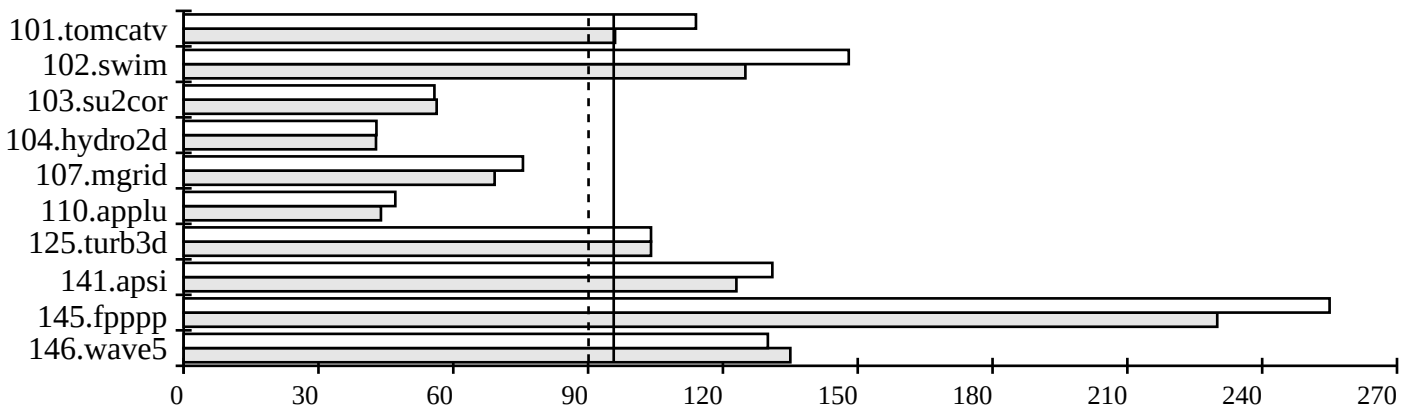
Digital Equipment Corp. AlphaServer 1000A 5/333

SPECfp_rate95	=	95.7
SPECfp_rate_base95	=	90.1

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	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	347	96.0	1	292	114
102.swim	1	617	125	1	522	148
103.su2cor	1	224	56.3	1	226	55.8
104.hydro2d	1	504	42.8	1	504	42.9
107.mgrid	1	325	69.2	1	298	75.5
110.applu	1	451	43.9	1	420	47.1
125.turb3d	1	355	104	1	355	104
141.apsi	1	153	123	1	144	131
145.fpppp	1	376	230	1	339	255
146.wave5	1	199	135	1	208	130
SPECfp_rate_base95 (G. Mean)			90.1			
			SPECfp_rate95 (G. Mean)			95.7

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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