SPEC CFP95rate Results

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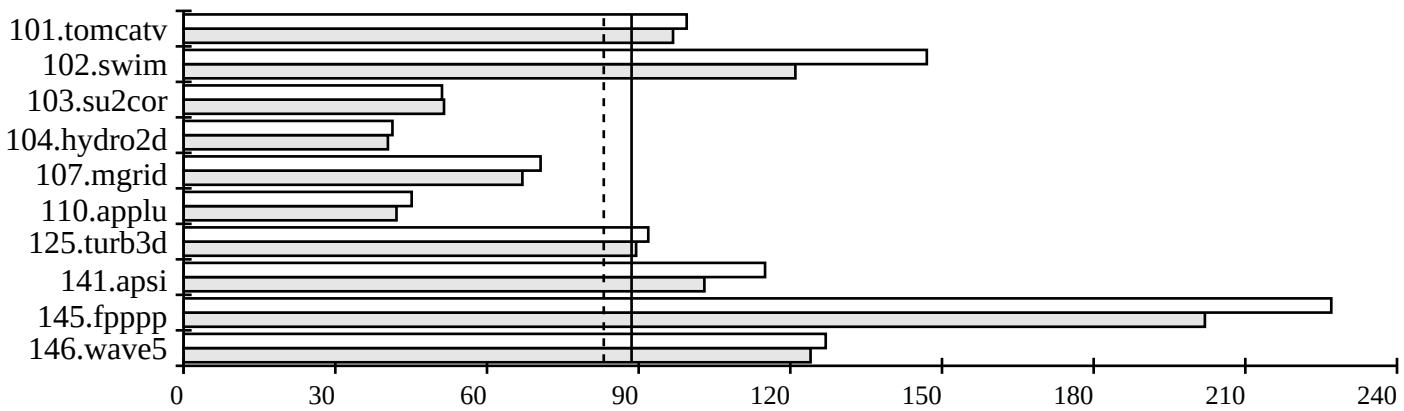
Digital Equipment Corp.
AlphaServer 1000A 5/300

SPECfp_rate95	=	88.6
SPECfp_rate_base95	=	83.1

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	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	344	96.8	1	335	99.5
102.swim	1	641	121	1	526	147
103.su2cor	1	245	51.5	1	246	51.1
104.hydro2d	1	534	40.4	1	523	41.3
107.mgrid	1	336	67.0	1	319	70.6
110.applu	1	471	42.1	1	439	45.1
125.turb3d	1	412	89.5	1	402	91.9
141.apsi	1	184	103	1	165	115
145.fpppp	1	427	202	1	380	227
146.wave5	1	218	124	1	213	127
SPECfp_rate_base95 (G. Mean)			83.1			
SPECfp_rate95 (G. Mean)						88.6

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: --