SPEC CFP95rate Results

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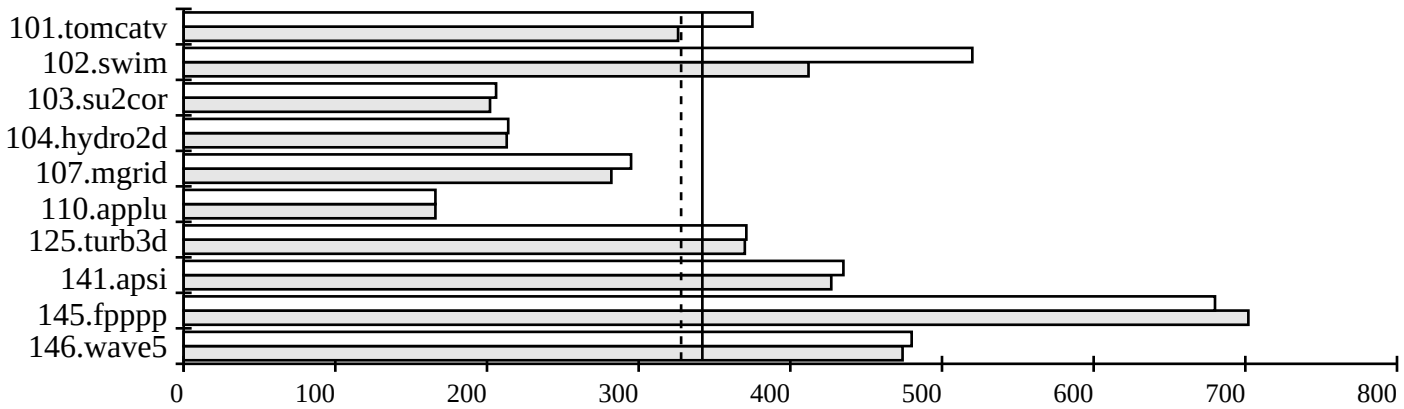
Digital Equipment Corp.
AlphaServer 4100 5/533

SPECfp_rate95	=	342
SPECfp_rate_base95	=	328

SPEC license # 2	Tested By: Digital NH	Test Date: Aug-97	Hardware Avail: Oct-97	Software Avail: Dec-97



SPECrate

Hardware/Software Configuration for:
AlphaServer 4100 5/533

Hardware

Model Name:	AlphaServer 4100 5/533
CPU:	533 MHz 21164
FPU:	Integrated
Number of CPU(s):	2
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	4MB
Memory:	256MB
Disk Subsystem:	2 x 4GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX T4.0D-2
Compiler:	Fortran 77 T5.0-137-3670 KAPF V3.1a 970519 DFARTL 373
File System:	UFS
System State:	Multi User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	2	204	326	2	178	375
102.swim	2	376	412	2	298	520
103.su2cor	2	125	202	2	122	206
104.hydro2d	2	203	213	2	202	214
107.mgrid	2	160	282	2	152	295
110.applu	2	238	166	2	238	166
125.turb3d	2	199	370	2	199	371
141.apsi	2	88.5	427	2	87	435
145.fpppp	2	246	702	2	254	680
146.wave5	2	114	474	2	112	480
SPECfp_rate_base95 (G. Mean)			328			
SPECfp_rate95 (G. Mean)						342

Notes/Tuning Information

```
Compiler invocation: kf77
Base switches: -O5

Peak switches:
tomcatv: -O5 -fkapargs='-ag=ab -fuselevel=2'
su2cor:  -O5 -transform_loops -speculate all -fkapargs='-ur=4'
hydro2d: -O5 -inline speed -fkapargs='-tune=ev4 -ur=8 -ur2=400 -ipa_optimize=2'
mgrid:   -O5 -transform_loops -speculate all -fkapargs='-fuselevel=1 -ipa'
applu:   -O5 -fkapargs='-tune=ev4 -fuse -ag=a'
turb3d:  -O5 -fkapargs='-fuse -fuselevel=2 -ipa'
apsi:    -O5 -transform_loops -fkapargs='-ag=ab -ur=4 -ur2=800 -ipa_optimize=2'
fpppp:   -O2 -fkapargs='-so=0 -o=0'
wave5:   -O5 -speculate all -fkapargs='-ipa -ag=a -ur=5 -ur2=600'
swim:    -O5 -transform_loops -fkapargs='-tune=ev4 -fuselevel=2 -ag=ab -r=1
-ur=2 -ur2=600 '
```

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-- Prepared By: --