SPEC CFP95rate Results

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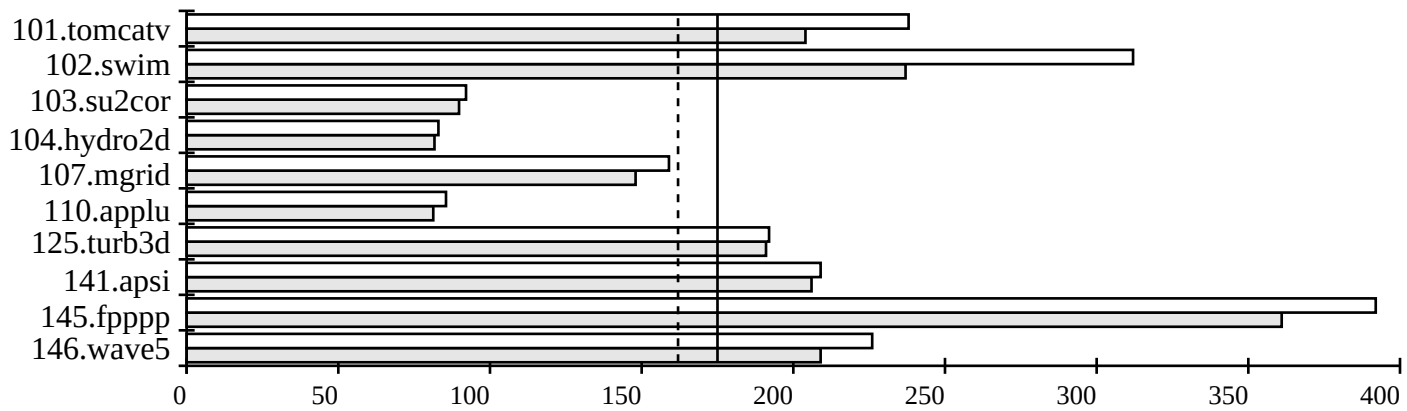
Digital Equipment Corporation
DIGITAL Personal Workstation 500au

SPECfp_rate95 = 175

SPECfp_rate_base95 = 162

SPEC license # 2	Tested By: Digital NH	Test Date: Apr-97	Hardware Avail: May-97	Software Avail: Sep-97



SPECrate

Hardware/Software Configuration for:
DIGITAL Personal Workstation 500au

Hardware

Model Name:	Personal Workstation 500au
CPU:	500 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB on chip
Other Cache:	2MB
Memory:	192MB
Disk Subsystem:	1 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX V4.0C
Compiler:	Fortran 77 X4.0-100-363C KAPF 3.1 961104
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	1	163	204	1	140	238
102.swim	1	327	237	1	248	312
103.su2cor	1	140	89.8	1	137	92.1
104.hydro2d	1	265	81.7	1	260	83.0
107.mgrid	1	152	148	1	142	159
110.applu	1	244	81.3	1	232	85.5
125.turb3d	1	193	191	1	192	192
141.apsi	1	91.7	206	1	90	209
145.fpppp	1	239	361	1	220	392
146.wave5	1	129	209	1	119	226
SPECfp_rate_base95 (G. Mean)			162			
SPECfp_rate95 (G. Mean)						175

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: --