SPEC CFP95rate Results

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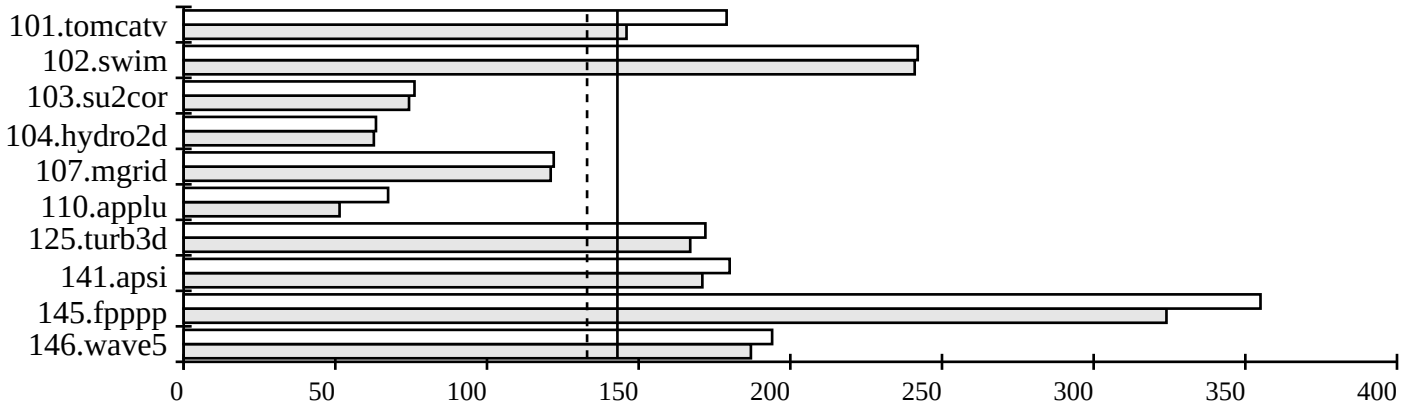
Digital Equipment Corporation
AlphaServer 800 5/500

SPECfp_rate95 = 143

SPECfp_rate_base95 = 133

SPEC license # 2 | Tested By: Digital NH | Test Date: Jan-98 | Hardware Avail: Oct-97 | Software Avail: Oct-97



SPECrate

Hardware/Software Configuration for:
AlphaServer 800 5/500

Hardware

Model Name:	AlphaServer 800 5/500
CPU:	500 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB (I+D) on chip
Other Cache:	2MB (I+D) off chip
Memory:	1024MB
Disk Subsystem:	RZ29B 4GB
Other Hardware:	Ethernet

Software

Operating System:	Windows NT V4.0 Server
Compiler:	Visual Fortran V5.0 KAP V1.1
File System:	FAT
System State:	Default

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	228	146	1	186	179
102.swim	1	321	241	1	320	242
103.su2cor	1	170	74.3	1	166	76.1
104.hydro2d	1	345	62.7	1	341	63.4
107.mgrid	1	186	121	1	185	122
110.applu	1	385	51.4	1	294	67.4
125.turb3d	1	220	167	1	215	172
141.apsi	1	110	171	1	105	180
145.fpppp	1	267	324	1	243	355
146.wave5	1	145	187	1	139	194
SPECfp_rate_base95 (G. Mean)			133			
SPECfp_rate95 (G. Mean)						143

Notes/Tuning Information

```
compiler: kf77
baseline: /fkapargs="/ipa /ag=a" -optimize:5 -tune:ev5

tomcatv:  /fkapargs="/ag=ab /fuselevel=2" -optimize:4
swim:     /fkapargs="/tune=ev4 /ag=ab -fuselevel=2 -r=1 -ur=2 -ur2=600" -optimize:5 -transform_loops
su2cor:   -transform_loops -optimize:4
hydro2d:  /fkapargs="/ur=8 /ur2=400 /ur3=10 /tune=ev4" -inline:speed -optimize:5
mgrid:    /fkapargs="/fuselevel=1 /ipa" -optimize:5
applu:    /fkapargs="/tune=ev5 /fuse /ag=a" -optimize:5 -tune:ev5 -notransform_loops
turb3d:   /fkapargs="/tune=ev5 /fuse /fuselevel=2 /ipa" -optimize:5 -notransform_loops
apsi:     /fkapargs="/tune=ev5 /ag=ab /ipa_optimize=2 /ur=4 /ur2=800 " -fast -optimize:5
fpppp:    /fkapargs="/so=0 /o=0" -optimize:2
wave5:    /fkapargs="/ipa /ag=a /ur=5 /ur2=600" -optimize:4 -pipeline
```