SPEC CFP95rate Results

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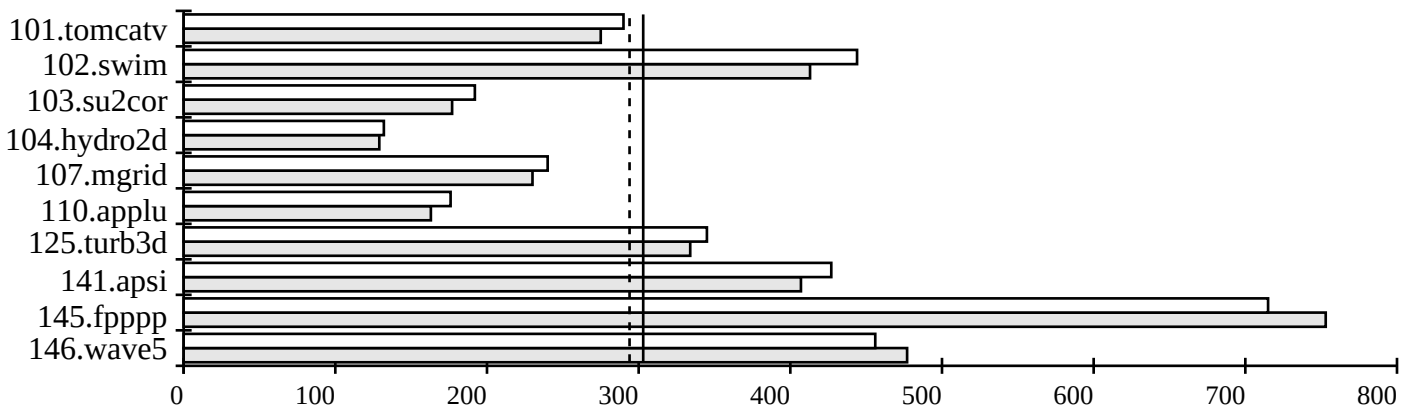
Digital Equipment Corp.
AlphaServer 4100 5/300

SPECfp_rate95 = 303

SPECfp_rate_base95 = 294

SPEC license # 2	Tested By: Digital NH	Test Date: Mar-96	Hardware Avail: May-96	Software Avail: May-96



Hardware/Software Configuration for:
AlphaServer 4100 5/300

Hardware

Model Name:	AlphaServer 4100 5/300
CPU:	300 MHz 21164
FPU:	Integrated
Number of CPU(s):	4
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	2MB
Memory:	384MB
Disk Subsystem:	3 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX T3.2F-2 (rev. 69.55)
Compiler:	DEC FORTRAN V3.8 KAPF V2.2a (Mar-96)
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	4	484	275	4	460	290
102.swim	4	749	413	4	697	444
103.su2cor	4	285	177	4	262	192
104.hydro2d	4	668	129	4	657	132
107.mgrid	4	392	230	4	376	240
110.applu	4	486	163	4	450	176
125.turb3d	4	442	334	4	427	345
141.apsi	4	186	407	4	177	427
145.fpppp	4	459	753	4	483	715
146.wave5	4	226	477	4	237	456
SPECfp_rate_base95 (G. Mean)			294			
SPECfp_rate95 (G. Mean)						303

Notes/Tuning Information

```
Baseline:   kf77 -fast -O5 -non_shared -om
Peak:     kf77
tomcatv: -fast -O5 -non_shared -om -fkapargs='-tune=ev5 -ag=ab -fuse -fuselevel=2'
swim: -fast -O5 -non_shared -om -align dcommons -tune ev5 -fkapargs='-tune=ev4 -ag=ab  -ur=2 -ur2=600 -nat'
su2cor: -fast -O5 -non_shared -om -tune ev5 -fkapargs='-tune=ev4 -ag=a -nat'
hydro2d: -tune ev5  -O5  -om -inline speed -fkapargs='-tune=ev4  -ur=8  -ur2=400'
mgrid: -fast -O5 -non_shared -om -tune ev5 -fkapargs='-tune=ev5 -fuse'
applu: -tune generic -O5 -non_shared -om -WL,-om_dead_code -fkapargs='-tune=ev4 -ag=a -fuse -nat '
turb3d: -fast -O5 -non_shared -om -automatic  -fkapargs='-tune=ev5 -fuse -nat'
apsi: -fast -O5 -non_shared -om  -fkapargs='-tune=ev5 -ag=ab -ur=4 -ur2=800 -nat'
fpppp: -fast -O2 -non_shared -om -fkapargs='-ur=1'
wave5: -fast -O4 -non_shared -tune ev5 -fkapargs='-tune=ev5 -ag=a -nat -ur=5 -ur2=600'
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 22110
(703) 331-0180
info@specbench.org
http://www.specbench.org

-- Prepared By: --