SPEC CFP95rate Results

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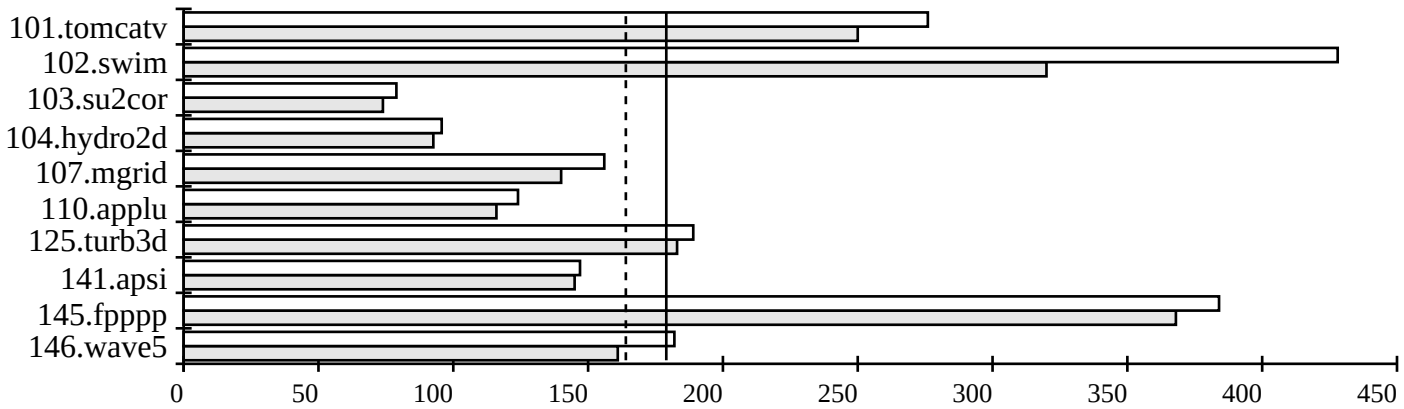
Digital Equipment Corp.
AlphaServer 4100 5/300E

SPECfp_rate95 = 179

SPECfp_rate_base95 = 164

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



Hardware/Software Configuration for:
AlphaServer 4100 5/300E

Hardware

Model Name:	AlphaServer 4100 5/300E
CPU:	300 MHz 21164
FPU:	Integrated
Number of CPU(s):	2
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	none
Memory:	256MB
Disk Subsystem:	2 x 2GB, 1 x 4GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX T3.2F-2 (rev. 69.55)
Compiler:	DEC C V5.2-122/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	2	267	250	2	242	276
102.swim	2	484	320	2	361	428
103.su2cor	2	341	73.9	2	320	78.9
104.hydro2d	2	467	92.6	2	452	95.7
107.mgrid	2	322	140	2	288	156
110.applu	2	340	116	2	318	124
125.turb3d	2	404	183	2	390	189
141.apsi	2	261	145	2	258	147
145.fpppp	2	469	368	2	450	384
146.wave5	2	335	161	2	297	182
SPECfp_rate_base95 (G. Mean)			164			
SPECfp_rate95 (G. Mean)						179

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'
```

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-- Prepared By: --