SPEC CFP95rate Results

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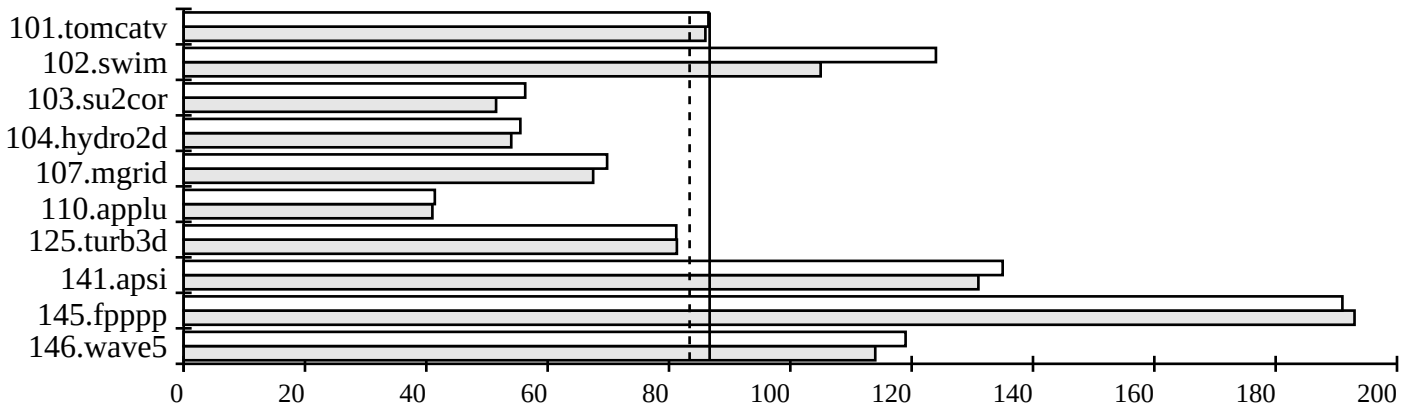
Digital Equipment Corp.
AlphaServer 2100 5/300

SPECfp_rate95 = 86.7

SPECfp_rate_base95 = 83.4

SPEC license # 2	Tested By: Digital NH	Test Date: Oct-95	Hardware Avail: Jan-96	Software Avail: Aug-95



Hardware/Software Configuration for:
AlphaServer 2100 5/300

Hardware

Model Name:	AlphaServer 2100 5/300
CPU:	291 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KBI+8KBD on chip
Secondary Cache:	96KB
Other Cache:	4MB
Memory:	256MB
Disk Subsystem:	1 x 2GB 1 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX V3.2C (Rev 148)
Compiler:	DEC FORTRAN V3.8 KAPF V2.1
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	387	86.0	1	385	86.5
102.swim	1	740	105	1	626	124
103.su2cor	1	245	51.5	1	224	56.3
104.hydro2d	1	400	54.0	1	390	55.5
107.mgrid	1	334	67.5	1	322	69.8
110.applu	1	483	41.0	1	478	41.4
125.turb3d	1	454	81.3	1	454	81.2
141.apsi	1	144	131	1	140	135
145.fpppp	1	448	193	1	453	191
146.wave5	1	237	114	1	226	119
SPECfp_rate_base95 (G. Mean)			83.4			
SPECfp_rate95 (G. Mean)						86.7

Notes/Tuning Information

```
Baseline:   kf77 -fast -O5 -non_shared -om
Peak:     kf77
101.tomcatv: -fast -O5 -non_shared -om  -WL,-om_Gcommon,1000 -fkapargs='-tune=ev5 -nat -fuse'
102.swim: -fast -O5 -non_shared -om -align dcommons -tune ev5 -fkapargs='-ag=ab  -ur=2 -ur2=600 -nat'
103.su2cor: -fast -O5 -non_shared -om -tune ev5 -fkapargs='-ag=a -nat'
104.hydro2d: -fast -O5 -non_shared -om -inline speed -tune ev5 -fkapargs=' -ur=8  -ur2=400'
107.mgrid: -fast -O5 -non_shared -om -WL,-om_dead_code -fkapargs='-tune=ev5 -fuse'
110.applu: -fast -O5 -non_shared -om -WL,-om_dead_code -tune ev5 -fkapargs=' -fuse -nat -ag=a'
125.turb3d: -fast -O5 -non_shared -om -automatic  -fkapargs=' -fuse -nat'
141.apsi: -fast -O5 -non_shared -om  -fkapargs=' -tune=ev5 -ag=ab -ur=4 -ur2=800 -nat'
145.fpppp: -fast -O5 -non_shared -om -fkapargs='-tune=ev5 -ag=a -ur=4 -ur2=560'
146.wave5: -fast -O4 -non_shared -tune ev5 -fkapargs='-ag=a -nat -ur=5 -ur2=600'
```