SPEC CFP95 Results

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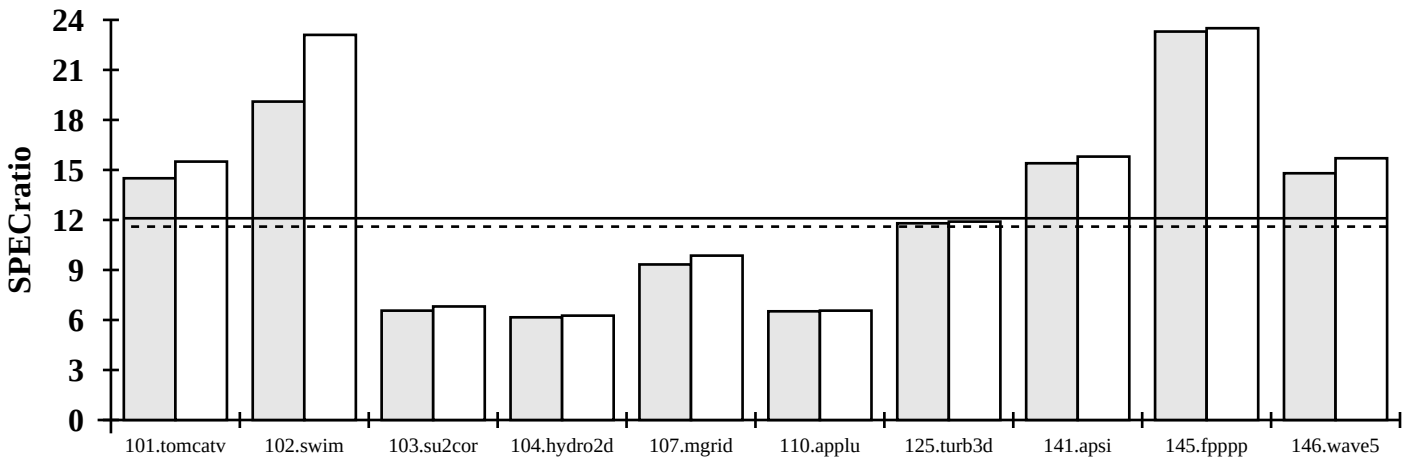
Digital Equipment Corp.
Digital EB164

SPECfp95 = 12.1

SPECfp_base95 = 11.6

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



Hardware/Software Configuration for:
Digital EB164

Hardware

Model Name:	Digital EB164
CPU:	333 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KBI+8KBD on chip
Secondary Cache:	96KB
Other Cache:	2MB (8 nSEC)
Memory:	128MB
Disk Subsystem:	1 x 2GB 1 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX V3.2C (Rev 148)
Compiler:	DEC C V5.0-106/DEC FORTRAN V3.8 KAPF V2.1
File System:	UFS
System State:	Multi User

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	256	14.5	239	15.5
102.swim	8600	451	19.1	373	23.1
103.su2cor	1400	213	6.56	206	6.81
104.hydro2d	2400	390	6.16	383	6.26
107.mgrid	2500	268	9.33	254	9.86
110.applu	2200	338	6.52	335	6.56
125.turb3d	4100	349	11.8	344	11.9
141.apsi	2100	137	15.4	133	15.8
145.fpppp	9600	412	23.3	408	23.5
146.wave5	3000	202	14.8	191	15.7
SPECfp_base95 (G. Mean)			11.6		
		SPECfp95 (G. Mean)			12.1

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'
```

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