SPEC CFP95 Results

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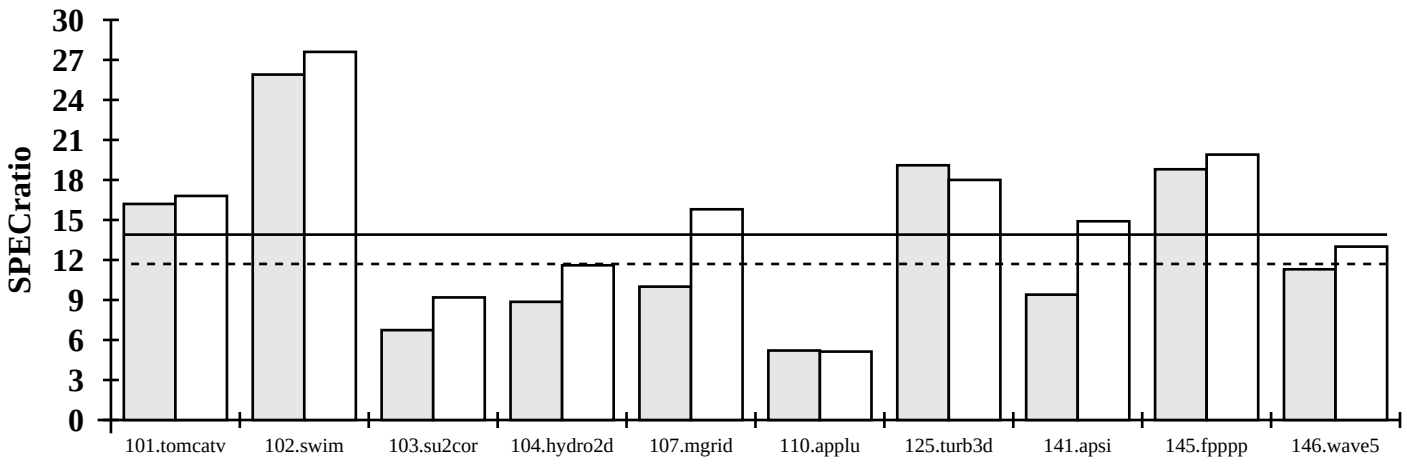
Digital Equipment Corp.
AlphaServer 2100A 5/300

SPECfp95 = 13.9

SPECfp_base95 = 11.7

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



Hardware/Software Configuration for:
AlphaServer 2100A 5/300

Hardware

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

Software

Operating System:	Digital UNIX X3.2D (Rev. 32)
Compiler:	DEC FORTRAN V3.8 KAPF V2.2A k261202 960119
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	228	16.2	220	16.8
102.swim	8600	332	25.9	312	27.6
103.su2cor	1400	208	6.74	152	9.19
104.hydro2d	2400	271	8.86	207	11.6
107.mgrid	2500	249	10.0	158	15.8
110.applu	2200	422	5.21	429	5.13
125.turb3d	4100	215	19.1	228	18.0
141.apsi	2100	223	9.40	141	14.9
145.fpppp	9600	512	18.8	483	19.9
146.wave5	3000	265	11.3	230	13.0
SPECfp_base95 (G. Mean)			11.7		
		SPECfp95 (G. Mean)			13.9

Notes/Tuning Information

```
Baseline: kf77 -tune ev5 -fkapargs='-conc -ipa_optimize=2 -mc=10000'
Peak:  kf77
101.tomcatv -O5 -fkapargs='-nat -ur=1 -conc'
102.swim -O5 -fkapargs='-ag=abc -ur=1 -conc'
103.su2cor -O5 -noautomatic -fkapargs='-ag=abc -conc -ur=1'
104.hydro2d -O5 -fkapargs='-ag=abc -ur=1 -conc -inl -inll=1 -ind=1 '
107.mgrid -O5 -fkapargs='-ag=abc -conc -ur=1'
110.applu -O5 -fkapargs='-conc -ur=1 -inl -ind=2 -inll=2'
125.turb3d -O5 -fkapargs='-conc -ipa -ipall=3 -ind=10 -noarclimit -heaplimit=500 -ur=1'
141.apsi -O5 -om -fkapargs=' -tune=ev5 -ag=ab -ur=4 -ur2=800 -nat'
145.fpppp -O5 -om -fkapargs='-tune=ev5 -ag=a -ur=4 -ur2=560'
146.wave5 -O5 -fkapargs='-ag=a -nat -ur=5 -ur2=600'
kernel options: stackinc=0x20000
```

For More Information Contact:
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