SPEC CFP95 Results

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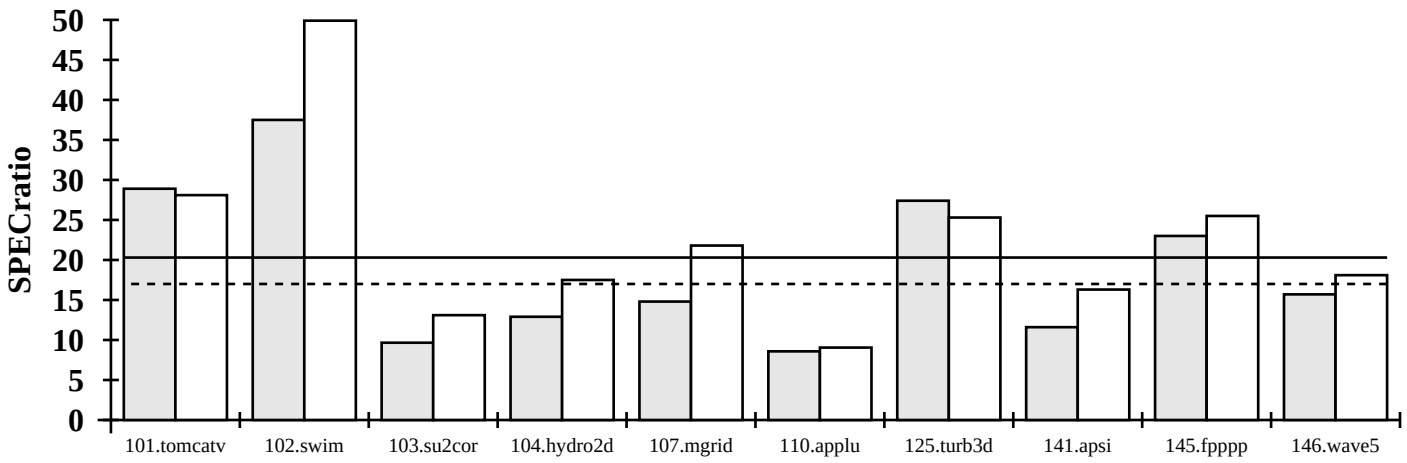
Digital Equipment Corp.
AlphaServer 8200 5/350

SPECfp95 = 20.3

SPECfp_base95 = 17.0

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



Hardware/Software Configuration for:
AlphaServer 8200 5/350

Hardware

Model Name:	AlphaServer 8200 5/350
CPU:	350 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:	2GB (1x2GB)
Disk Subsystem:	1 x 4GB
Other Hardware:	EthernetChannel

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	128	28.9	132	28.1
102.swim	8600	230	37.5	172	49.9
103.su2cor	1400	145	9.66	107	13.1
104.hydro2d	2400	186	12.9	137	17.5
107.mgrid	2500	169	14.8	115	21.8
110.applu	2200	256	8.58	243	9.05
125.turb3d	4100	150	27.4	162	25.3
141.apsi	2100	181	11.6	129	16.3
145.fpppp	9600	418	23.0	377	25.5
146.wave5	3000	191	15.7	166	18.1
SPECfp_base95 (G. Mean)			17.0		
		SPECfp95 (G. Mean)			20.3

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=' -ag=a -conc'
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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