SPEC CFP95 Results

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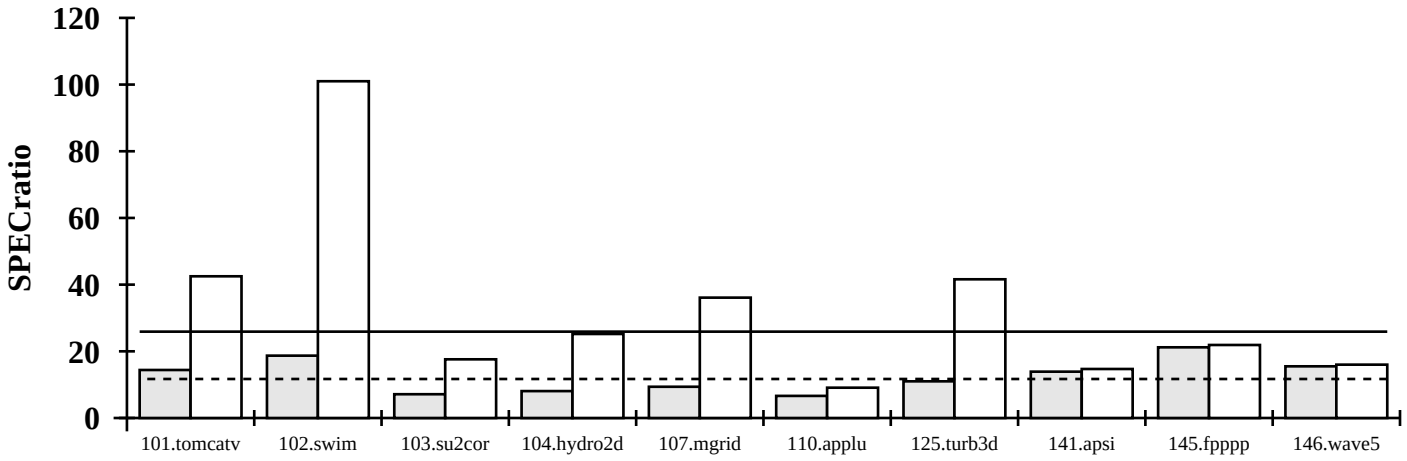
Digital Equipment Corp.
AlphaServer 8400 5/300

SPECfp95 = 25.9

SPECfp_base95 = 11.7

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



Hardware/Software Configuration for:
AlphaServer 8400 5/300

Hardware

Model Name:	AlphaServer 8400 5/300
CPU:	300 MHz 21164
FPU:	Integrated
Number of CPU(s):	4
Primary Cache:	8KBI+8KBD on chip
Secondary Cache:	4MB
Other Cache:	none
Memory:	512MB
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 T2.2
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	14.4	87	42.5
102.swim	8600	460	18.7	85	101
103.su2cor	1400	196	7.13	79	17.6
104.hydro2d	2400	297	8.07	95	25.2
107.mgrid	2500	267	9.37	69	36.1
110.applu	2200	332	6.63	242	9.09
125.turb3d	4100	372	11.0	98	41.6
141.apsi	2100	151	13.9	143	14.7
145.fpppp	9600	453	21.2	439	21.9
146.wave5	3000	193	15.5	187	16.0
SPECfp_base95 (G. Mean)			11.7		
		SPECfp95 (G. Mean)			25.9

Notes/Tuning Information

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

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