SPEC CFP95 Results

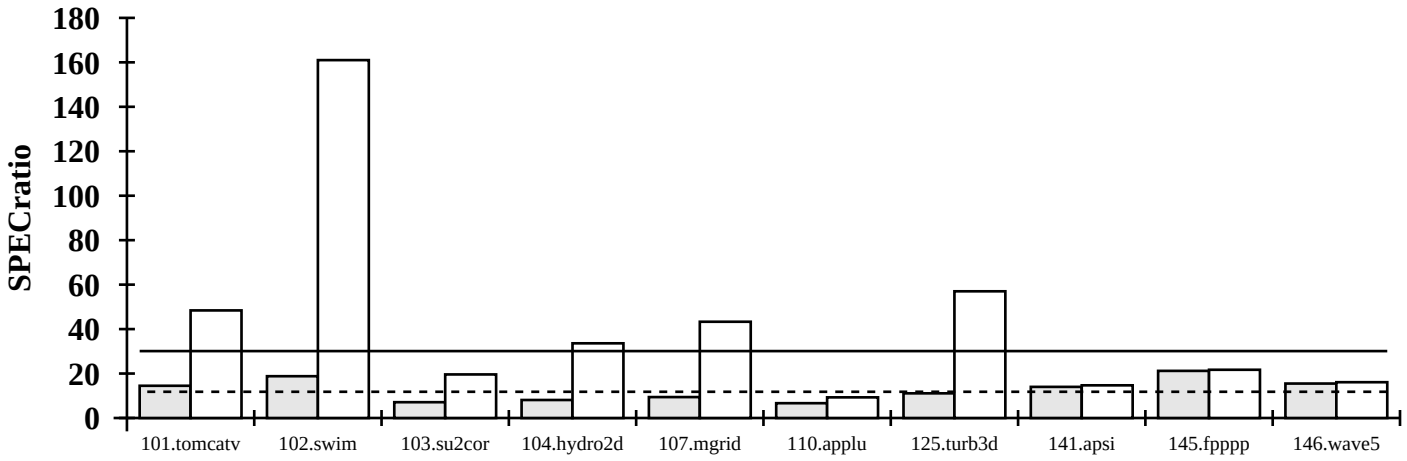
©Copyright 1995, Standard Performance Evaluation Corporation

Digital Equipment Corp.
AlphaServer 8400 5/300

SPECfp95 = 30.1

SPECfp_base95 = 11.8

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):	6
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 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	254	14.5	76	48.4
102.swim	8600	457	18.8	53	161
103.su2cor	1400	197	7.11	71	19.6
104.hydro2d	2400	296	8.10	72	33.6
107.mgrid	2500	266	9.41	58	43.3
110.applu	2200	330	6.66	237	9.29
125.turb3d	4100	370	11.1	72	57.0
141.apsi	2100	150	14.0	143	14.7
145.fpppp	9600	454	21.2	442	21.7
146.wave5	3000	193	15.5	186	16.1
SPECfp_base95 (G. Mean)			11.8		
		SPECfp95 (G. Mean)			30.1

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'
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 22110
(703) 331-0180
info@specbench.org
http://www.specbench.org