SPEC CFP95 Results

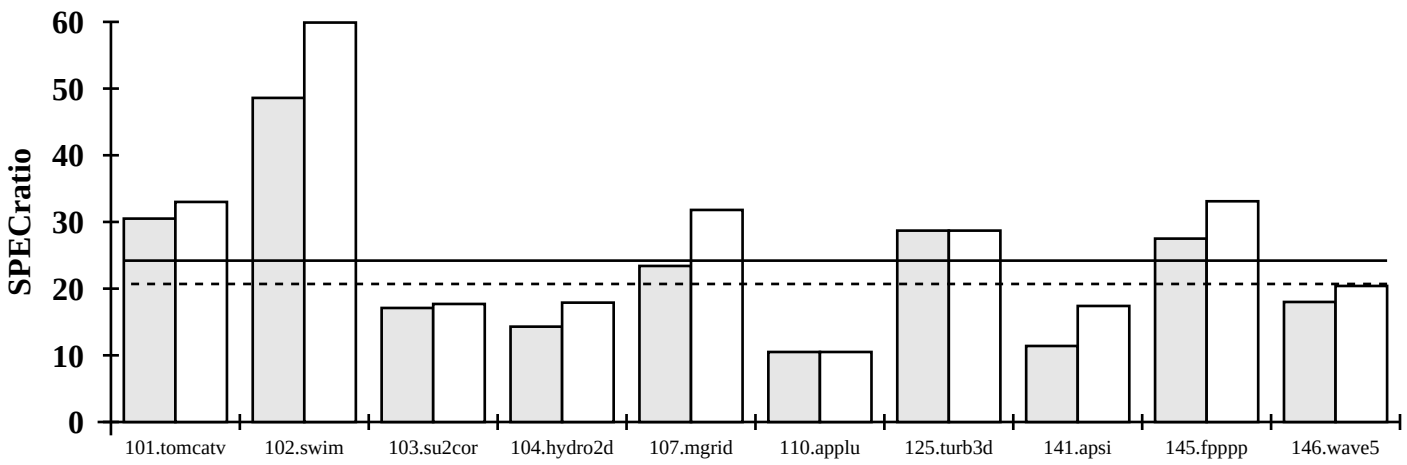
©Copyright 1995, Standard Performance Evaluation Corporation

Digital Equipment Corp.
AlphaServer 4100 5/400

SPECfp95 = 24.2

SPECfp_base95 = 20.7

SPEC license # 2	Tested By: Digital NH	Test Date: Aug-96	Hardware Avail: Sep-96	Software Avail: Dec-96



Hardware/Software Configuration for:
AlphaServer 4100 5/400

Hardware

Model Name:	AlphaServer 4100 5/400
CPU:	400 MHz 21164
FPU:	Integrated
Number of CPU(s):	2
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	4MB
Memory:	256MB
Disk Subsystem:	2 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX T4.0A-2
Compiler:	Digital FORTRAN T4.1-338L KAPF 3.1 960725 DEC C X5.3-148-334R
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	121	30.5	112	33.0
102.swim	8600	177	48.6	144	59.9
103.su2cor	1400	82.1	17.1	79	17.7
104.hydro2d	2400	168	14.3	134	17.9
107.mgrid	2500	107	23.4	79	31.8
110.applu	2200	209	10.5	209	10.5
125.turb3d	4100	143	28.7	143	28.7
141.apsi	2100	184	11.4	121	17.4
145.fpppp	9600	349	27.5	290	33.1
146.wave5	3000	166	18.0	147	20.4
SPECfp_base95 (G. Mean)			20.7		
		SPECfp95 (G. Mean)			24.2

Notes/Tuning Information

```
compiler: kf77     base optimizations: -fkapargs='-ipa_optimize=2 -mc=10000'

tomcatv: -O5 -fkapargs='-tune=ev5 -ag=ab -fuselevel=2 -conc'
swim: -O5 -transform_loops -fkapargs='-ag=ab -r=1 -ur=1 -ur2=600 -conc'
su2cor: -O5 -transform_loops -speculate all -fkapargs='-ag=ab -mc=5000 -ur=1'
hydro2d: -O5 -fkapargs='-ag=ab -ur=1 -conc -inl -inll=1 -ind=1 '
mgrid: -O5 -transform_loops -speculate all -fkapargs='-tune=ev5 -ipa -ag=ab -conc -fuselevel=1'
applu: -O5 -fkapargs='-ag=ab -mc=10000 -ipa_optimize=2'
turb3d: -O5 -fkapargs='-conc -ipa -ipall=3 -ipad=10 -noarclimit -heaplimit=500 -ur=1'
apsi: 'setenv DECFORT_CC cc.alt' plus -O5 -om -transform_loops
-fkapargs='-tune=ev5 -ag=ab -ur=4 -ur2=800 -ipa_optimize=2'
fpppp: -O2 -fkapargs='-so=0 -o=0'
wave5: -speculate all -fkapargs='-ag=a -ur=5 -ur2=600'
PASS1=-gen_feedback
fdo_pre1=mv %binary% %exename%.orig;pixie -pids %exename%.orig -o %exename%
fdo_run1=%command%    fdo_post1=prof -pixie -feedback ../../src/%exename%.fb
%exename%.orig %exename%.orig.Addrs %exename%.orig.Counts.*   PASS2=-feedback $(EXENAME).fb
```

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

-- Prepared By: --