SPEC CFP95 Results

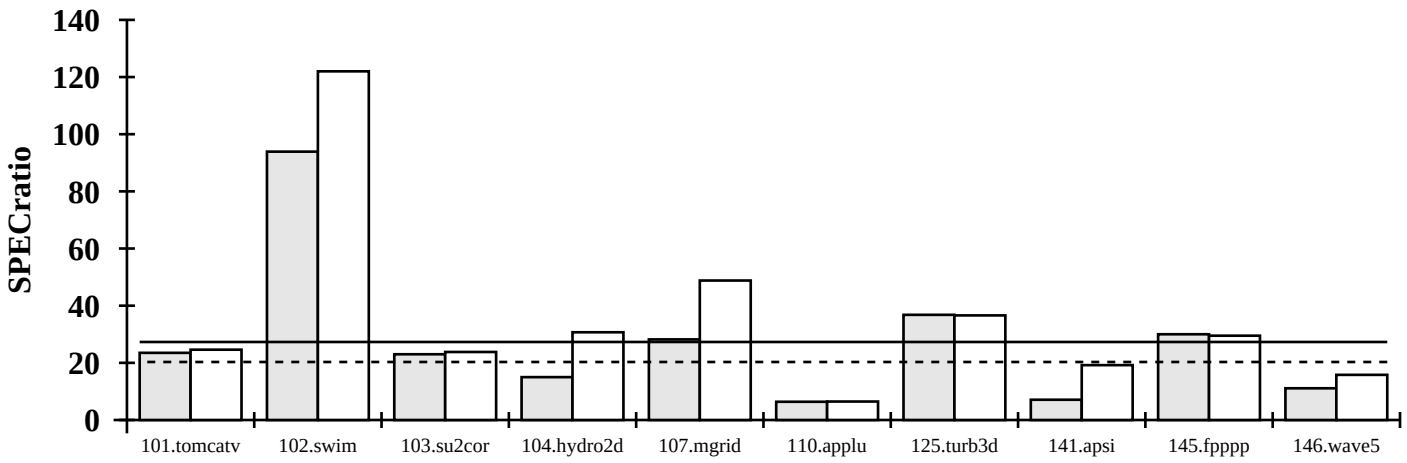
©Copyright 1995, Standard Performance Evaluation Corporation

Digital Equipment Corp.
AlphaServer 2100A 5/375

SPECfp95 = 27.3

SPECfp_base95 = 20.3

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



Hardware/Software Configuration for:
AlphaServer 2100A 5/375

Hardware

Model Name:	AlphaServer 2100A 5/375
CPU:	374 MHz 21164
FPU:	Integrated
Number of CPU(s):	4
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB on chip
Other Cache:	8MB
Memory:	512MB
Disk Subsystem:	2 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX V4.0A
Compiler:	Digital FORTRAN T4.1-338L KAPF 3.1 960725 DEC C V5.4-044
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	157	23.5	150	24.6
102.swim	8600	91.6	93.9	71	122
103.su2cor	1400	60.8	23.0	59	23.8
104.hydro2d	2400	160	15.0	78	30.7
107.mgrid	2500	88.5	28.2	51	48.8
110.applu	2200	345	6.38	340	6.46
125.turb3d	4100	111	36.8	112	36.6
141.apsi	2100	296	7.09	110	19.2
145.fpppp	9600	320	30.0	325	29.5
146.wave5	3000	270	11.1	190	15.8
SPECfp_base95 (G. Mean)			20.3		
		SPECfp95 (G. Mean)			27.3

Notes/Tuning Information

```
compiler: kf77     base optimizations: -fkapargs='-ipa_optimize=2 -mc=10000'
Peak uses 'setenv DECFORT_CC cc.alt' plus:
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: -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='-conc -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