SPEC CFP95rate Results

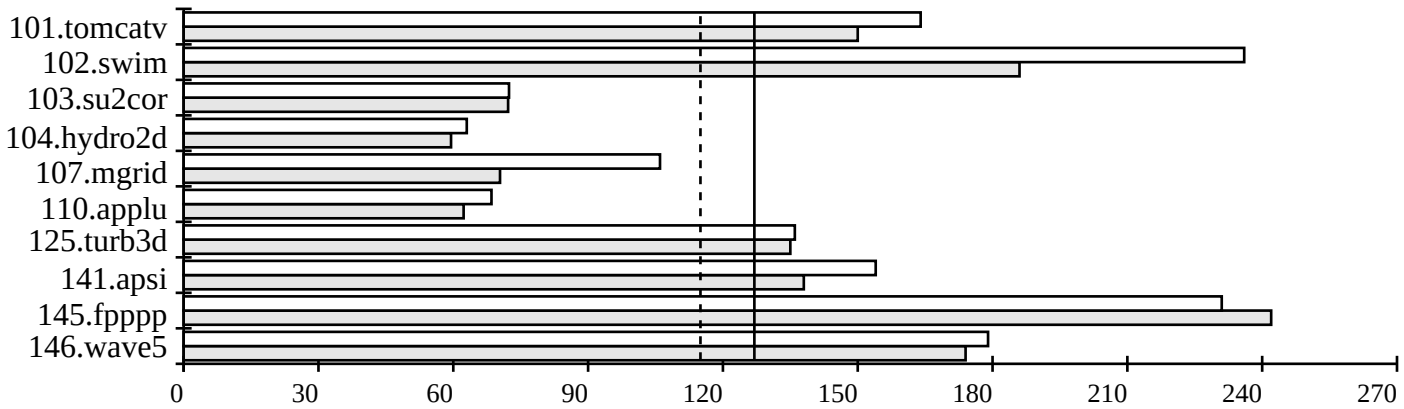
©Copyright 1995, Standard Performance Evaluation Corporation

Digital Equipment Corp.
AlphaStation 500/400

SPECfp_rate95 = 127

SPECfp_rate_base95 = 115

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



Hardware/Software Configuration for:
AlphaStation 500/400

Hardware

Model Name:	AlphaStation 500/400
CPU:	400 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	2MB
Memory:	128MB
Disk Subsystem:	1 x 2GB 1x 1GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX T4-2
Compiler:	DEC FORTRAN V4.0/KAPF V3 960401
File System:	UFS
System State:	Multi User; vm-page-free-min 5760

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	221	150	1	204	164
102.swim	1	415	186	1	328	236
103.su2cor	1	174	72.2	1	174	72.4
104.hydro2d	1	363	59.5	1	343	63.0
107.mgrid	1	320	70.4	1	213	106
110.applu	1	318	62.3	1	289	68.5
125.turb3d	1	274	135	1	270	136
141.apsi	1	137	138	1	123	154
145.fpppp	1	358	242	1	374	231
146.wave5	1	155	174	1	151	179
SPECfp_rate_base95 (G. Mean)			115			
SPECfp_rate95 (G. Mean)						127

Notes/Tuning Information

```
compiler: kf77
baseline optimizations: -fast

Peak:   tomcatv: -fast -O5 -non_shared -om -tL -h/usr/lib/cmplrs/cc.alt -B -fkapargs='-tune=ev5 -ag=ab -fuse'
swim: -fast -O5 -non_shared -om -tL -h/usr/lib/cmplrs/cc.alt -B -align dcommons -tune ev5 -fkapargs='-tune=ev5 -ag=ab
-ur=2 -ur2=600 ' su2cor: -fast -tune ev5 -transform_loops -speculate all     hydro2d: -tune ev5  -O5  -om -tL
-h/usr/lib/cmplrs/cc.alt -B -inline speed -fkapargs='-tune=ev4  -ur=8  -ur2=400 -ipa_optimize=2'     mgrid: -fast -O5
-transform_loops -tune ev5 -speculate all -fkapargs='-tune=ev5 -fuse '     applu: -tune ev5 -O5 -fkapargs='-tune=ev4
-fuse -ag=a'     turb3d: -fast -O5 -nopipeline -fkapargs='-tune=ev5 -fuse ' with feedback     apsi: -fast -O5 -om -tL
-h/usr/lib/cmplrs/cc.alt -B -transform_loops -fkapargs='-tune=ev5 -ag=ab -ur=4 -ur2=800 -nat -ipa_optimize=2'
fpppp: -fast -transform_loops -fkapargs='-tune=ev5'     wave5: -fast -O4 -tune ev5 -speculate all
-fkapargs='-tune=ev5 -ag=a -nat -ur=5 -ur2=600'  with feedback

feedback: 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: --