SPEC CFP95rate Results

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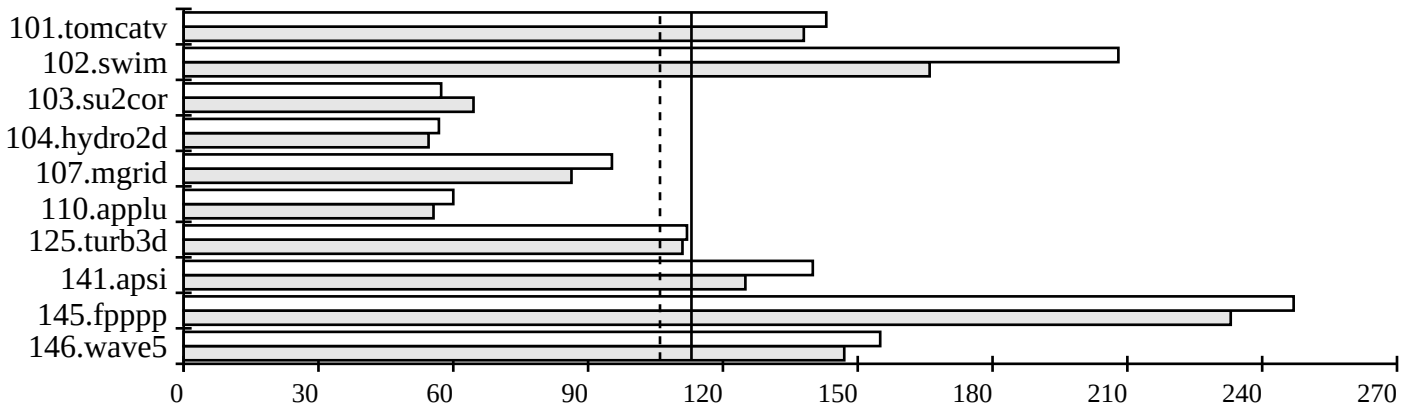
Digital Equipment Corp.
AlphaStation 500/333

SPECfp_rate95 = 113

SPECfp_rate_base95 = 106

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



Hardware/Software Configuration for:
AlphaStation 500/333

Hardware

Model Name:	AlphaStation 500/333
CPU:	333 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
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX V4.0A
Compiler:	DEC FORTRAN V4.0/KAPF V3 960401 DEC C X5.3-148-334R
File System:	UFS
System State:	Multi User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	241	138	1	234	143
102.swim	1	466	166	1	372	208
103.su2cor	1	195	64.5	1	220	57.3
104.hydro2d	1	396	54.5	1	380	56.8
107.mgrid	1	261	86.3	1	236	95.3
110.applu	1	356	55.6	1	330	60.0
125.turb3d	1	332	111	1	330	112
141.apsi	1	151	125	1	135	140
145.fpppp	1	370	233	1	350	247
146.wave5	1	183	147	1	174	155
SPECfp_rate_base95 (G. Mean)			106			
SPECfp_rate95 (G. Mean)						113

Notes/Tuning Information

```
compiler: kf77  baseline optimizations: -fast -noautomatic -O5

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 -om -tL -h/usr/lib/cmplrs/cc.alt -B
-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: -O2 -noautomatic -fkapargs='-so=0 -o=0'   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
```

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-- Prepared By: --