SPEC CFP95rate Results

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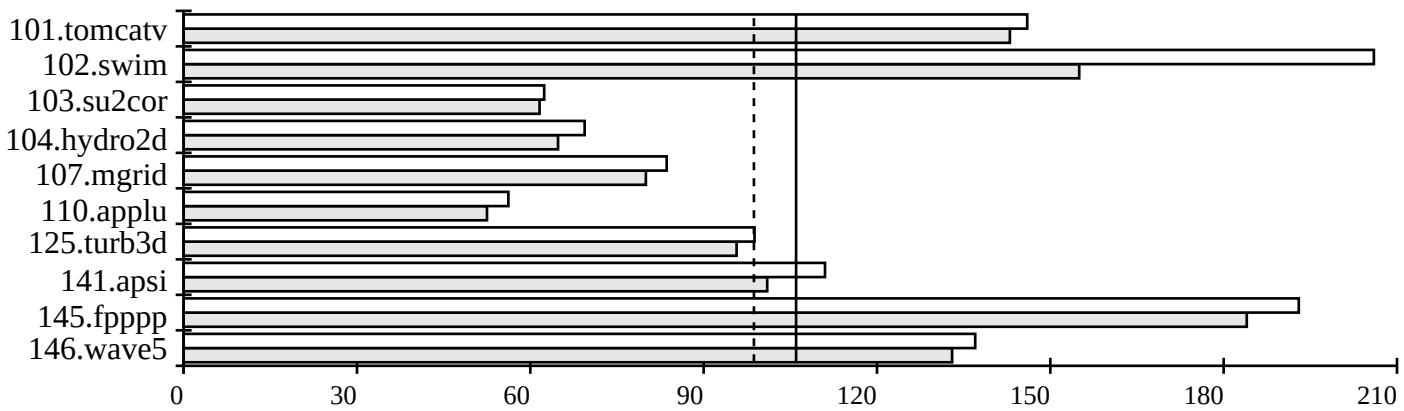
Digital Equipment Corp.
AlphaStation 600 5/266

SPECfp_rate95 = 106

SPECfp_rate_base95 = 98.7

SPEC license # 2	Tested By: Digital NH	Test Date: Jul-96	Hardware Avail: Jul-95	Software Avail: Aug-96



Hardware/Software Configuration for:
AlphaStation 600 5/266

Hardware

Model Name:	AlphaStation 600 5/266
CPU:	266 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	4MB
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 vm-page-free-min=5760

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	234	143	1	229	146
102.swim	1	498	155	1	375	206
103.su2cor	1	205	61.6	1	202	62.4
104.hydro2d	1	333	64.8	1	311	69.4
107.mgrid	1	281	80.0	1	269	83.6
110.applu	1	377	52.5	1	353	56.2
125.turb3d	1	385	95.7	1	373	98.8
141.apsi	1	187	101	1	170	111
145.fpppp	1	469	184	1	447	193
146.wave5	1	203	133	1	197	137
SPECfp_rate_base95 (G. Mean)			98.7			
SPECfp_rate95 (G. Mean)						106

Notes/Tuning Information

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

Peak:   tomcatv: -O5 -om -tL -h/usr/lib/cmplrs/cc.alt -B -fkapargs='-tune=ev5 -ag=ab -fuse'
swim: -O5 -om -tL -h/usr/lib/cmplrs/cc.alt -B -align dcommons -fkapargs='-tune=ev5 -ag=ab  -ur=2 -ur2=600 '
su2cor: -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: -O5 -om -tL
-h/usr/lib/cmplrs/cc.alt -B -transform_loops -speculate all -fkapargs='-tune=ev5 -fuse '
applu: -tune ev5 -O5 -fkapargs='-tune=ev4  -fuse -ag=a'     turb3d: -O5 -nopipeline -fkapargs='-tune=ev5
-fuse '  with feedback     apsi: -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: -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: --