SPEC CFP95 Results

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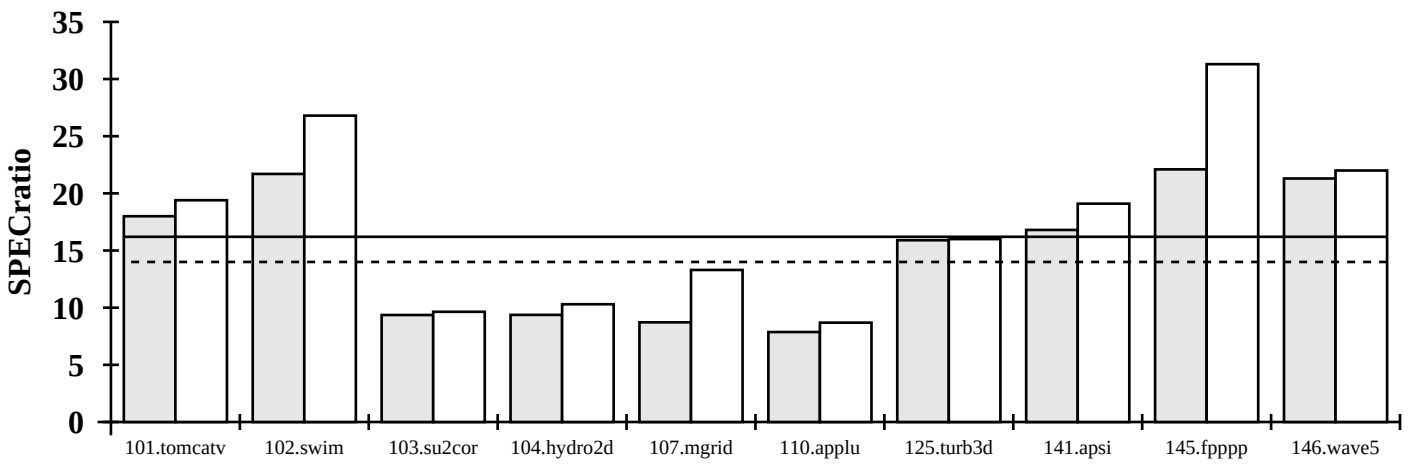
Digital Equipment Corp.
AlphaServer 8200 5/440

SPECfp95 = 16.2

SPECfp_base95 = 14.0

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



Hardware/Software Configuration for:
AlphaServer 8200 5/440

Hardware

Model Name:	AlphaServer 8200 5/440
CPU:	437 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	4MB
Memory:	1GB
Disk Subsystem:	1 x 2GB 1x 1GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX T4.0A-2
Compiler:	DEC FORTRAN V4.0/KAPF V3 960401
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	205	18.0	191	19.4
102.swim	8600	397	21.7	321	26.8
103.su2cor	1400	150	9.36	145	9.64
104.hydro2d	2400	256	9.37	232	10.3
107.mgrid	2500	287	8.72	187	13.3
110.applu	2200	279	7.87	253	8.69
125.turb3d	4100	259	15.9	256	16.0
141.apsi	2100	125	16.8	110	19.1
145.fpppp	9600	435	22.1	307	31.3
146.wave5	3000	141	21.3	136	22.0
SPECfp_base95 (G. Mean)			14.0		
		SPECfp95 (G. Mean)			16.2

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 -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: -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
```

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-- Prepared By: --