SPEC CFP95 Results

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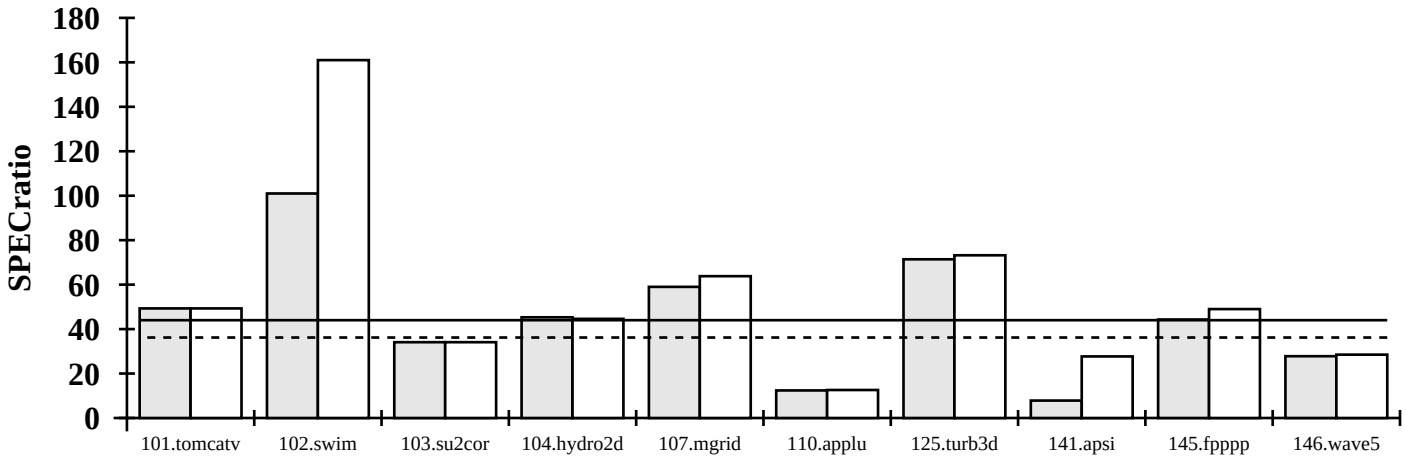
Digital Equipment Corp.
AlphaServer 8200 5/625

SPECfp95 = 44.0

SPECfp_base95 = 36.2

SPEC license # 2	Tested By: Digital NH	Test Date: Sep-97	Hardware Avail: Nov-97	Software Avail: Dec-97



Hardware/Software Configuration for:
AlphaServer 8200 5/625

Hardware

Model Name:	AlphaServer 8200 5/625
CPU:	612 MHz 21164
FPU:	Integrated
Number of CPU(s):	4
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB on chip
Other Cache:	4MB
Memory:	8GB (2x4GB)
Disk Subsystem:	4x4GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX X4.0D-11
Compiler:	Fortran 77 T5.0-137-3670 KAPF V3.1a 970519 DFARTL 373
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	75.1	49.3	75	49.3
102.swim	8600	85.4	101	53	161
103.su2cor	1400	41.1	34.1	41	34.1
104.hydro2d	2400	53.0	45.3	54	44.6
107.mgrid	2500	42.4	59.0	39	63.8
110.applu	2200	177	12.4	175	12.6
125.turb3d	4100	57.4	71.4	56	73.2
141.apsi	2100	268	7.84	76	27.7
145.fpppp	9600	217	44.3	196	49.0
146.wave5	3000	108	27.8	105	28.5
SPECfp_base95 (G. Mean)			36.2		
		SPECfp95 (G. Mean)			44.0

Notes/Tuning Information

```
Compiler: kf77

Baseline: -granularity byte -arch ev56 -fkapargs='-ipa_optimize=2 -mc=1500'
Peak:
tomcatv: -transform_loops -fkapargs='-ag=ab -fuselevel=2 -conc'
swim:    -O5 -transform_loops -fkapargs='-tune=ev4 -ag=ab -ur=1 -conc'
su2cor:  -O5 -transform_loops -speculate all -fkapargs='-tune=ev4 -ag=ab -conc -ur=1'
hydro2d: -O5 -transform_loops -inline speed -fkapargs='-ag=ab -ur=8 -ur2=400 -conc'
mgrid:   -O5 -speculate all -fkapargs='-ipa -ag=ab -conc -fuselevel=1'
applu:   -O5 -fkapargs='-ag=ab -conc -ipa_optimize=2'
turb3d:  -O5 -fkapargs='-conc -ipa_optimize=2 -ur=1'
apsi:    -O5 -transform_loops -fkapargs='-ur=4 -ur2=1000 -ipa_optimize=2'
fpppp:   -O2 -om -fkapargs='-so=0 -o=0'
wave5:   -speculate all -transform_loops -fkapargs='-conc -ag=a -ur=5 -ur2=600'
Fortran invokes cc.alt driver via 'setenv DECFORT_CC cc.alt'
```

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-- Prepared By: --