SPEC CFP95 Results

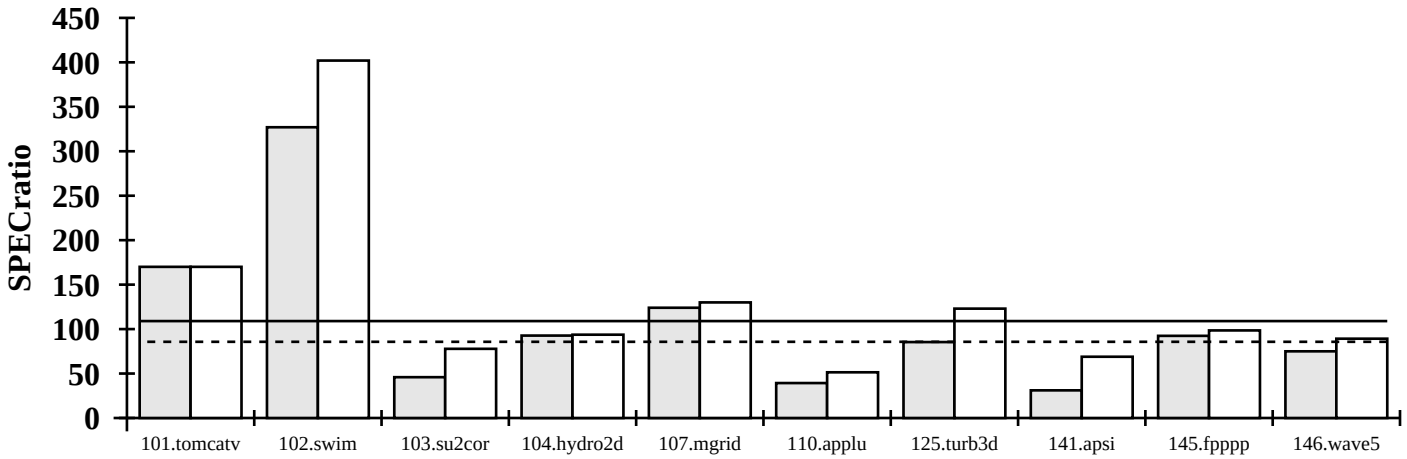
©Copyright 1995, Standard Performance Evaluation Corporation

Compaq Computer Corporation
AlphaServer ES40 Model 6/667

SPECfp95 = 109

SPECfp_base95 = 85.7

SPEC license # 2	Tested By: Compaq NH	Test Date: Feb-2000	Hardware Avail: Feb-2000	Software Avail: Dec-1999



Hardware/Software Configuration for:
AlphaServer ES40 Model 6/667

Hardware

Model Name:	AlphaServer ES40 Model 6/667
CPU:	667 MHz 21264A
FPU:	Integrated
Number of CPU(s):	2
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	8MB per CPU
Other Cache:	none
Memory:	4GB (4x1GB)
Disk Subsystem:	1x10GB: DS-RZ1DD-VW
Other Hardware:	Ethernet

Software

Operating System:	Tru64 UNIX V4.0F
Compiler:	Compaq Fortran V5.3 KAP Fortran V4.2
File System:	AdvFS
System State:	Multi User

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	21.8	170	22	170
102.swim	8600	26.3	327	21	402
103.su2cor	1400	30.5	45.9	18	77.8
104.hydro2d	2400	25.9	92.7	26	93.7
107.mgrid	2500	20.1	124	19	130
110.applu	2200	56.0	39.3	43	51.4
125.turb3d	4100	48.0	85.4	33	123
141.apsi	2100	67.4	31.1	30	68.9
145.fpppp	9600	104	92.4	98	98.5
146.wave5	3000	40.0	75.0	34	89.2
SPECfp_base95 (G. Mean)			85.7		
		SPECfp95 (G. Mean)			109

Notes/Tuning Information

```
Compiler: kf90 unless noted otherwise
Baseline: -O5 -fkapargs='-ipa_optimize=2 -mc=1575 -ur=1'
tomcatv:  -g3 -O5 -fkapargs='-ipa_optimize=2 -mc=1575 -ur=1'
swim:     -g3 -O5 -fkapargs='-ag=a -ur=1 -conc'
su2cor:   -g3 -O5 -transform_loops -unroll 8 -speculate all
.                 -fkapargs='-ag=abfg -conc -ur=1'
hydro2d:  -g3 -O5 -transform_loops -inline speed
.                 -fkapargs='-ag=ab -ur=1 -conc'
mgrid:    -g3 -O5 -speculate all -fkapargs='-ipa -ur=1 -ag=ab -conc -fuselevel=1'
applu:    -g3 -transform_loops -fkapargs='-ag=a -conc -ipa_optimize=2'
turb3d:   -g3 -O5 -fkapargs='-ag=ab -conc -ipa_optimize=2 '
apsi:     -g3 -O5 -automatic
.                 -fkapargs=' -fuse -o=4 -interleave -ur=8 -ur2=60 '
fpppp:    -g3 -O2 -transform_loops -fkapargs='-so=0 -o=0'
wave5:   kf77 -g3 -O5 -unroll 5 -fkapargs='-ag=a -ur=7 -ur3=10 -tune=ev6'
```

For More Information Contact: SPEC info@spec.org http://www.spec.org/

-- Prepared By: --