SPEC CFP95rate Results

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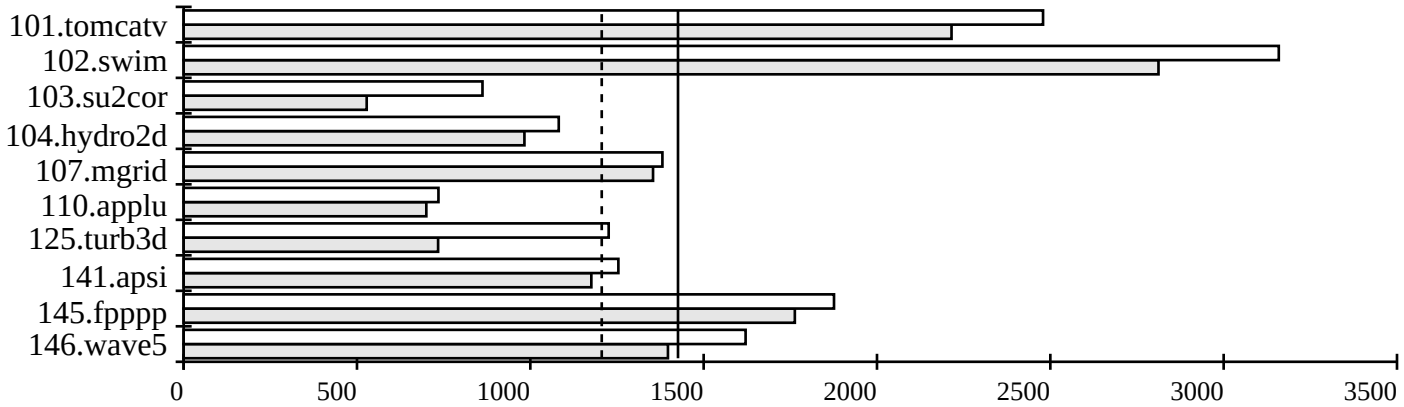
Compaq Computer Corporation
AlphaServer ES40 Model 6/667

SPECfp_rate95 = 1426

SPECfp_rate_base95 = 1206

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:	Fortran V5.3 KAP Fortran V4.2
File System:	AdvFS
System State:	Multi User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	2	30.1	2215	2	27	2479
102.swim	2	55.1	2812	2	49	3159
103.su2cor	2	47.7	528	2	29	862
104.hydro2d	2	44.0	983	2	40	1082
107.mgrid	2	33.2	1354	2	33	1381
110.applu	2	56.6	700	2	54	735
125.turb3d	2	101	734	2	60	1226
141.apsi	2	32.1	1176	2	30	1254
145.fpppp	2	98.0	1763	2	92	1876
146.wave5	2	38.6	1397	2	33	1621
SPECfp_rate_base95 (G. Mean)			1206			
SPECfp_rate95 (G. Mean)						1426

Notes/Tuning Information

```
base:    kf77 -arch ev6 -O5 -transform_loops -fkapargs='-ur=1'

tomcatv: kf90 -arch ev6 -O5 -inline none
.        -fkapargs='-fuselevel=2 -ur=9 -ur2=460 -ur3=30 '
swim:    kf77 -arch ev6 -O5 -fkapargs='-ag=a -fuselevel=2 -ur=1'
su2cor:  kf90 -arch ev6 -O3 -transform_loops -automatic
.        -fkapargs=' -ag=abfg -r=0 -nointerleave -ur2=260 '
hydro2d: kf90 -arch ev6 -O5 -fkapargs='-fuselevel=2 -ur2=860'
mgrid:   kf77 -arch ev6 -O5 -speculate all -fkapargs='-fuselevel=2 -ur=1'
applu:   kf90 -arch ev6 -transform_loops -automatic -fkapargs=' -r=2 -o=0 -ur2=60 '
turb3d:  kf90 -arch ev6 -O5 -speculate all -automatic
.        -fkapargs=' -ag=a -o=1 -ur2=760 -ur3=100 '
apsi:    kf90 -arch ev6 -O2 -pipeline -automatic
.        -fkapargs=' -fuselevel=2 -ur=8 -ur2=60 '
fpppp:   kf90 -arch ev6 -O2 -transform_loops -fkapargs='-so=0 -o=0'
wave5:   kf90 -arch ev6 -O5 -transform_loops -unroll 15
.        -fkapargs='-r=1 -o=2 -ur2=260 -ur3=30'
```

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

-- Prepared By: --