SPEC CFP95rate Results

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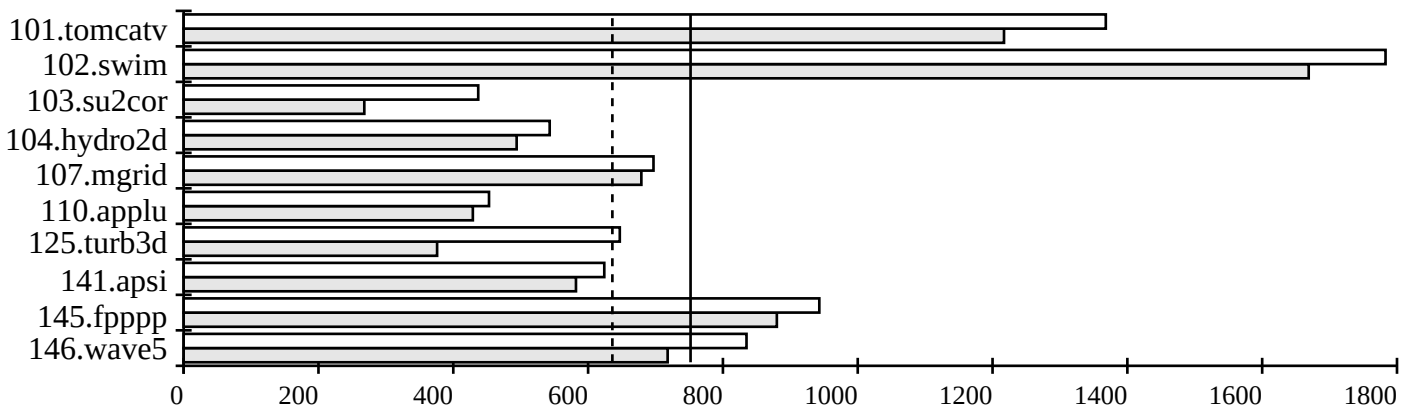
Compaq Computer Corporation
AlphaServer DS20E Model 6/667

SPECfp_rate95 = 752

SPECfp_rate_base95 = 636

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



Hardware/Software Configuration for:
AlphaServer DS20E Model 6/667

Hardware

Model Name:	AlphaServer DS20E Model 6/667
CPU:	667 MHz 21264A
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	8MB
Other Cache:	none
Memory:	2GB (4x512MB)
Disk Subsystem:	2xRZ28M
Other Hardware:	Ethernet

Software

Operating System:	Tru64 UNIX V4.0F
Compiler:	Fortran V5.3 KAP Fortran V4.2
File System:	UFS (system), AdvFS (user)
System State:	Multi User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	27.4	1217	1	24	1368
102.swim	1	46.4	1669	1	43	1783
103.su2cor	1	47.0	268	1	29	437
104.hydro2d	1	43.7	494	1	40	543
107.mgrid	1	33.1	679	1	32	697
110.applu	1	46.2	429	1	44	453
125.turb3d	1	98.2	376	1	57	647
141.apsi	1	32.5	582	1	30	624
145.fpppp	1	98.2	880	1	92	943
146.wave5	1	37.6	718	1	32	835
SPECfp_rate_base95 (G. Mean)			636			
			SPECfp_rate95 (G. Mean)			752

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: --