SPEC CFP95rate Results

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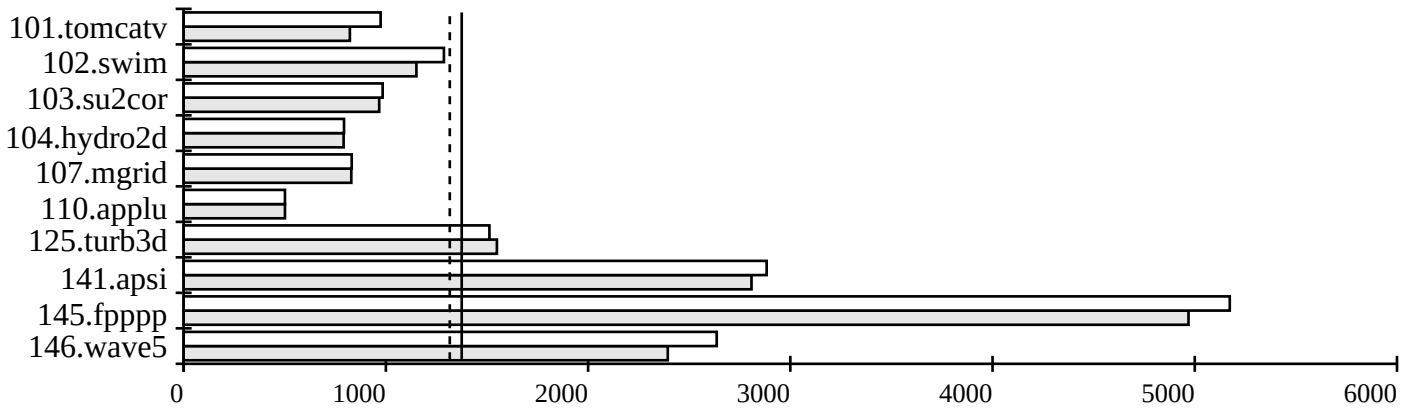
Digital Equipment Corp.
AlphaServer 8400 5/625

SPECfp_rate95 = 1375

SPECfp_rate_base95 = 1316

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



SPECrate

Hardware/Software Configuration for:
AlphaServer 8400 5/625

Hardware

Model Name:	AlphaServer 8400 5/625
CPU:	612 MHz 21164
FPU:	Integrated
Number of CPU(s):	12
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	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	12	486	822	12	410	974
102.swim	12	807	1151	12	722	1287
103.su2cor	12	156	967	12	154	984
104.hydro2d	12	328	791	12	327	793
107.mgrid	12	326	829	12	325	831
110.applu	12	474	501	12	474	501
125.turb3d	12	286	1549	12	293	1512
141.apsi	12	80.8	2808	12	79	2883
145.fpppp	12	209	4969	12	200	5173
146.wave5	12	135	2394	12	123	2636
SPECfp_rate_base95 (G. Mean)			1316			
			SPECfp_rate95 (G. Mean)			1375

Notes/Tuning Information

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Compiler invocation: kf77
Base switches: -O5

Peak switches:
tomcatv: -O5 -fkapargs='-ag=ab -fuselevel=2'
swim:    -O5 -transform_loops -fkapargs='-tune=ev4 -fuselevel=2 -ag=ab -r=1 -ur=2 -ur2=600 '
su2cor:  -O5 -speculate all -transform_loops -fkapargs='-ur=4'
hydro2d: -O5 -inline speed -fkapargs='-tune=ev4 -ur=8 -ur2=400 -ipa_optimize=2'
mgrid:   -O5 -speculate all -fkapargs='-fuselevel=1 -ipa'
applu:   -O5 -fkapargs='-tune=ev4  -fuse -ag=a'
turb3d:  -O5 -fkapargs='-fuse -fuselevel=2 -ipa'
apsi:    -O5 -transform_loops -fkapargs='-ag=ab -ur=4 -ur2=800 -ipa_optimize=2'
fpppp:   -O2 -om -fkapargs='-so=0 -o=0'
wave5:   -O5 -speculate all -fkapargs='-ipa -ag=a -ur=5 -ur2=600'
Fortran invokes om via cc.alt driver (setenv DECFORT_CC cc.alt)
```

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-- Prepared By: --