SPEC CFP95rate Results

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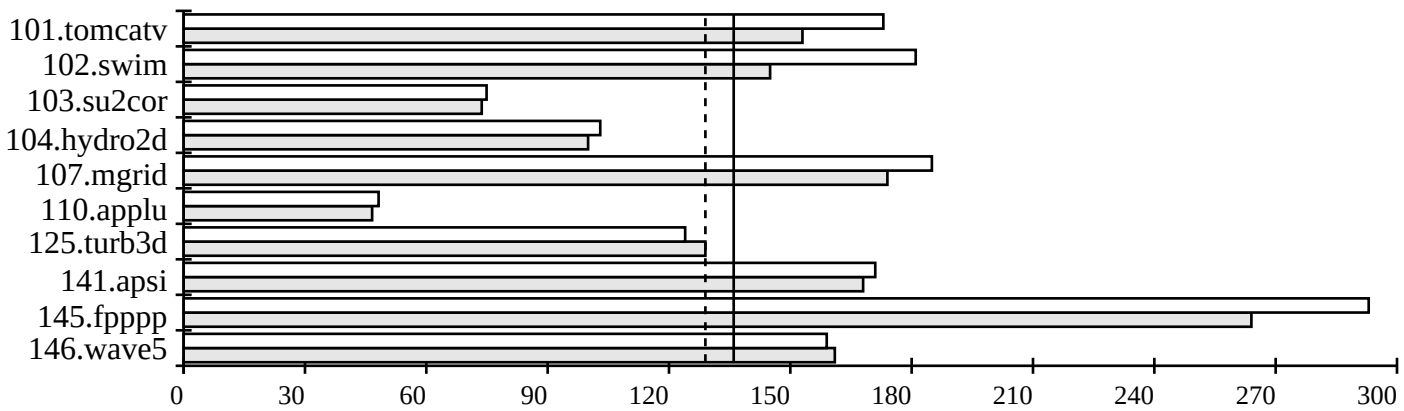
Digital Equipment Corp.
AlphaServer 2100A 5/375

SPECfp_rate95 = 136

SPECfp_rate_base95 = 129

SPEC license # 2	Tested By: Digital NH	Test Date: Oct-96	Hardware Avail: Oct-96	Software Avail: Dec-96



Hardware/Software Configuration for:
AlphaServer 2100A 5/375

Hardware

Model Name:	AlphaServer 2100A 5/375
CPU:	374 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB on chip
Other Cache:	8MB
Memory:	128MB
Disk Subsystem:	2 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX V4.0A
Compiler:	Digital FORTRAN T4.1-339I KAPF 3.1 960725 DEC C V5.4-044
File System:	UFS
System State:	Multi User vm-page-free-min=5760

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	217	153	1	192	173
102.swim	1	532	145	1	427	181
103.su2cor	1	171	73.7	1	168	74.9
104.hydro2d	1	216	100	1	210	103
107.mgrid	1	129	174	1	122	185
110.applu	1	425	46.6	1	411	48.2
125.turb3d	1	286	129	1	296	124
141.apsi	1	112	168	1	111	171
145.fpppp	1	327	264	1	295	293
146.wave5	1	168	161	1	169	159
SPECfp_rate_base95 (G. Mean)			129			
			SPECfp_rate95 (G. Mean)			136

Notes/Tuning Information

```
Compiler: kf77   Base optimizations: -O5 -fkapargs='-tune=ev5'
Peak uses 'setenv DECFORT_CC cc.alt' plus:
tomcatv: -WL,-om_no_inst_sched -O5 -om -fkapargs='-tune=ev5 -ag=ab -fuselevel=2'
swim: -O5 -om -WL,-om_no_inst_sched -transform_loops -fkapargs='-ag=ab -r=1 -ur=2 -ur2=600 '
su2cor: -transform_loops -O5 -speculate all
hydro2d: -O5 -om -WL,-om_no_inst_sched -inline speed -fkapargs='-tune=ev4 -ur=8 -ur2=400 -ipa_optimize=2'
mgrid: -O5 -om -WL,-om_no_inst_sched -transform_loops -speculate all -fkapargs='-tune=ev5 -fuselevel=1 -ipa'
applu: -O5 -fkapargs='-tune=ev4  -fuse -ag=a'
turb3d: -O5 -fkapargs='-tune=ev5 -fuse -fuselevel=2 -ipa'
apsi: -O5 -om -WL,-om_no_inst_sched -transform_loops -fkapargs='-tune=ev5 -ag=ab -ur=4 -ur2=800 -ipa_optimize=2'
fpppp: -O2 -fkapargs='-so=0 -o=0'
wave5: -speculate all -fkapargs='-ag=a -ur=5 -ur2=600'
PASS1=-gen_feedback
fdo_pre1=mv %binary% %exename%.orig;pixie -pids %exename%.orig -o %exename%
fdo_run1=%command%
fdo_post1=prof -pixie -feedback ../../src/%exename%.fb %exename%.orig %exename%.orig.Addrs %exename%.orig.Counts.*
PASS2=-feedback $(EXENAME).fb
```

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