

MPM90  
 # users = 18  
 3/4/70  
 MFTN3  
 5.9

\*\*\*\*\* MULTICS PERFORMANCE ANALYSIS \*\*\*\*\*

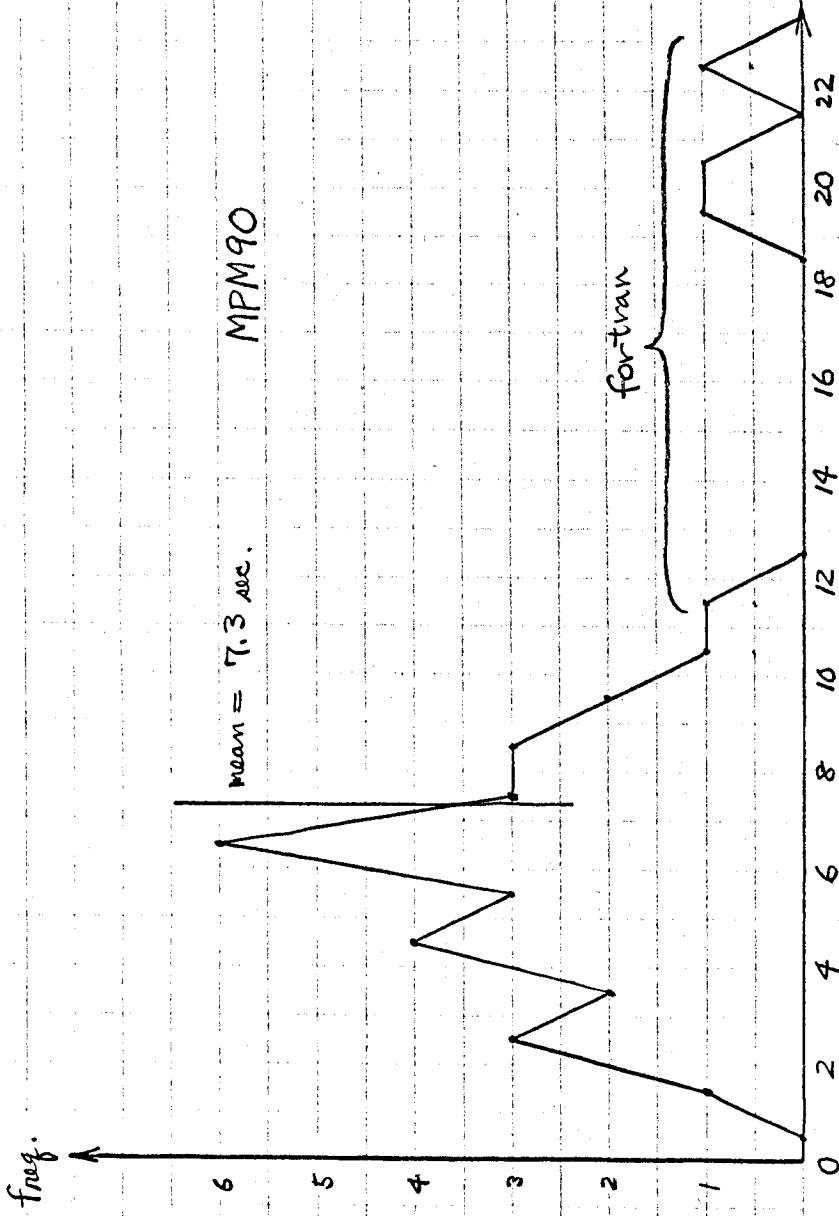
USER NO	COMMAND	TIME	CPU TIME	NO OF P.F.
0	login	1207	5.447	245
	edm	1216	5.008	348
	fortran	1217	4.812	225
	edm	1222	2.470	192
	fortran	1222	5.163	263
	rename	1223	1.047	77
	print	1224	.777	48
	a_prime\$prime	1225	2.720	118
	list	1226	1.269	117
	df	1227	1.308	86
	edm	1236	4.891	395
	fortran	1237	3.923	193
	edm	1241	2.311	193
	fortran	1242	3.448	162
	rename	1243	.682	46
	print	1243	.816	62
	b_prime\$prime	1245	2.099	103
	list	1245	.725	56
	df	1246	.708	34

\*\*\*\*\* SUMMARY \*\*\*\*\*

USER NO	TOTAL CPU TIME	TOTAL REAL TIME	TOTAL NO OF P.F.	NO OF INTER-ACTIONS	AVERAGE CPU TIME	AVERAGE RESPONSE TIME	AVERAGE NO OF P.F.
USER 0	<del>47.474</del> 44.182	<del>239</del> 2319	<del>2718</del> 2718	66	<del>680</del> .670	7.3	<del>40</del> 41

(	24.579	1153	1474	33	.745	7.9	44	first half
	19.603	1135	1244	33	.594	6.8	37	second half

Note : { # processors = 1 , core = 256 K  
 # eligible processes = 3  
 t<sub>e</sub> = 2



response time  
including typing  
time of average  
0.8 sec.

```

runinc ant
777777777777 3:01.5 000100000004 760247130755 3:30.5 016101000002
760247130764 2:47.1 001100000004 760247130776 3:59.1 034100000002
760247131013 1:20.2 200100000002 760247132470 61.4 001100000004
760247131054 1:43.4 001100000004 760247131101 6:16.6 034100000002
760247132640 64:15.4 001100000004 760247132126 4.9 001100000004
760247132207 4:21.3 001100000004 760247132572 63.8 200100000002
760247132624 78.5 001100000004 760247132541 61:94.3 001100000004
760247132504 64.5 001100000004 760247132227 42.3 001100000004 ←PDP-8
760247132051 16.6 001100000004 760247132244 2 001100000004
760247132612 11.8 001100000004 760247132143 44.3 034120000001
760247132554 75.6 001100000004 760247132305 1:45.7 001100000004
000000000000 000000000000 000000000000 000000000000

```

QUIT  
r 1249 4.890 139

fsm -a

Total metering time 0:42:01

```

Deactivations 1358
Ast grace 0:01:32
Used ASTs 248
Free ASTs 0
Held ASTs 101

```

```

# ATB
Faults 75440 33.424 msec.
Steps 331238 7.612 msec.
Ceiling 2 1260759.160 msec.
Lans 1682 1.499 sec.
Skin wired 7640 330.041 msec.
Skin used 212169 11.384 msec.
Skin mod 35961 70.118 msec.
Skin os 28 90054.225 msec.

```

177 rages, 22 wired.  
Average steps 4.390

	DRUM	DSU270	DS10
Left	1543	7418	3655
Reads	64446	9398	122
ATB	39.126	268.303	20668.182
Writes	30342	5836	1
ATB	83.103	432.062	2521518.321
ATB I/O	26.601	165.519	20500.143
% Crcty	7	30	0
M Errors	0	0	0
F Errors	0	0	0

r 1250 1.408 47

hnu  
P0(4, 15), P1(10, 12), P2(4, 6); Total: 18 users, 30 max.  
r 1251 .386 26

tom all

Total metering time 0:43:52

Ave queue length(X10) 39  
Max eligible 3  
Tc first (seconds) 2  
Tc last (seconds) 2  
Tc max (seconds) 8

IDLE TYPE	TIME	%
Total idle	0: 3:45	9
Multi-prog idle	0: 3:37	8
Non-multi-prog idle	0: 0: 7	0
Zero idle	0: 0: 0	0

COUNTER	TOTAL	ATB
Loadings	2012	1308
Plocks	1241	2121
Wakeups	1239	2124
Waits	72709	36
Notifies	136687	19
Schedulings	2093	1257
Interactions	1075	2449
Pre-emnts	52931	49

Time	%Int	%Cum	Ave
0.0	69	69	236
0.5	15	84	736
1.0	5	89	1240
1.5	4	93	1742
2.0	2	95	2250
2.5	1	96	2912
3.0	1	97	3337
3.5	1	98	3870
4.0	0	98	4293
4.5	1	99	4895
5.0	0	99	5380
5.5	0	99	5912
6.0	0	99	6210
6.5	0	99	6837
7.0	0	99	7449
7.5	1	100	7952

DEPTH	%PF	TBPF	%GTW	TBS	%CPU
1	52	36	40	31	57
2	29	34	38	18	31
3	19	21	22	12	13

r 1252 1.609 56

hmu

P0(4, 15), P1(11, 12), P2(4, 6); Total: 19 users, 30 max.

r 1253 .330 18

MPM91  
 3/7/70  
 # users = 11  
 MFTN3  
 5.9

\*\*\*\*\* MULTICS PERFORMANCE ANALYSIS \*\*\*\*\*

USER NO	COMMAND	TIME	CPU TIME	NO OF P.F.
0	login	2044	4.305	142
	edm	2053	3.336	271
	fortran	2054	4.030	150
	edm	2058	1.792	133
	fortran	2059	3.652	172
	rename	2100	.878	82
	print	2100	.455	23
	a_prime\$prime	2102	2.145	89
	list	2102	.635	47
	df	2103	1.060	84
	edm	2112	3.427	306
	fortran	2113	2.889	130
	edm	2117	1.947	167
	fortran	2118	3.056	135
	rename	2118	.526	43
	print	2119	.421	15
	b_prime\$prime	2120	1.457	59
	list	2121	.395	27
	df	2122	.658	55

\*\*\*\*\* SUMMARY \*\*\*\*\*

USER NO	TOTAL CPU TIME	TOTAL REAL TIME	TOTAL NO OF P.F.	NO OF INTER-ACTIONS	AVERAGE CPU TIME	AVERAGE RESPONSE TIME	AVERAGE NO OF P.F.
USER 0	<del>32.151</del> 32.809	2183	<del>1932</del> 1987	66	<del>482</del> .497	2.2	<del>30</del> 30

\*\*\*\*\*

(	18.033	1076	1050	33	.547	2.3	31 first half
)	14.776	1074	937	33	.448	2.1	28 second half

Note : { # processors = 1  
 core size = 256 K  
 # eligible processes = 3  
 t<sub>e</sub> = 2