

MPM 71
 # users = 26
 12/1/69
 MFTN3
 4.7f

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

USER NO	COMMAND	TIME	CPU TIME	NO OF P.F.
0	login	1222	5.552	199
	edm	1231	7.144	427
	fortran	1233	6.301	309
	edm	1238	4.742	306
	fortran	1239	4.834	228
	rename	1240	1.406	80
	print	1240	1.095	53
	a_prime\$prime	1242	4.254	189
	list	1243	1.413	85
	df	1243	1.661	89
	edm	1253	6.238	378
	fortran	1254	3.776	139
	edm	1300	3.088	175
	fortran	1301	3.725	161
	rename	1301	.470	29
	print ← error			

first half

***** SUMMARY *****

USER NO	TOTAL CPU TIME	TOTAL REAL TIME	TOTAL NO OF P.F.	NO OF INTER-ACTIONS	AVERAGE CPU TIME	AVERAGE WAIT TIME	AVERAGE NO OF P.F.
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USER 0 ~~50.147~~ 32.850 ~~2648~~ 1230 ~~68~~ 1766 ~~68~~ 33 ~~.759~~ .996 ~~40~~ 53 ← *first half*

Note: 14 drum errors occurred.

MPM71

hmu
 27 users, 30 maximum
 r 1239 .556 23

fsm
 hmu

File System Meters

Deact count	8123
Ast grace	0:56.154
Used ASTs	233
Free ASTs	0
Held ASTs	128
Steps	996628
Needc	228478
Ave.steps	4
Ceiling	41
Laps	4999
Skip wired	8286
Skip used	640988
Skip mod	117419
Skip os	1457
No. pages	178
Wired pages	17
Drum left	356
Drum reads	201129
Drum writes	104607
Drum errors	
Non-fatal	153
Fatal	0
Disk left	2531
Disk reads	21848
Disk writes	13367
Disk errors	
Non-fatal	0
Fatal	0

r 1241 1.844 48

27 users, 30 maximum
 r 1241 .198 10

fsm
 hmu

File System Meters

Deact count	6494
Ast grace	1: 3.998
Used ASTs	237
Free ASTs	0
Held ASTs	120
Steps	854020
Needc	195728
Ave.steps	4
Ceiling	15
Laps	4284
Skip wired	6979
Skip used	549656
Skip mod	100460
Skip os	1197
No. pages	178
Wired pages	17
Drum left	567
Drum reads	171607
Drum writes	89193
Drum errors	
Non-fatal	139
Fatal	0
Disk left	2495
Disk reads	19118
Disk writes	11791
Disk errors	
Non-fatal	0
Fatal	0

r 1222 2.884 99

26 users, 30 maximum
 r 1222 .781 48

hmu
 27 users, 30 maximum
 r 1242 .476 24

tcm all
 hmu

Total metering time 0:20:50

Ave queue length(X10) 113
 Max eligible 3
 Te min (seconds) 4
 Ti max (seconds) 8

IDLE TYPE	TIME	%
Total idle	0: 8:35	41
Multi-prog idle	0: 8:35	41
Non-multi-prog idle	0: 0: 0	0
Zero idle	0: 0: 0	! 0

COUNTER	TOTAL	ATB
Loadings	527	2372
Blocks	494	2583
Wakeups	505	2476
Waits	32315	38
Notifies	64715	19
Schedulings	533	2346
Interactions	431	2901
Pre-empts	24302	51

Time	%Int	%Cum	Ave
0.0	53	53	292
0.5	22	75	743
1.0	11	86	1276
1.5	4	90	1722
2.0	2	92	2286
2.5	2	94	2847
3.0	0	94	3151
3.5	1	95	3779
4.0	0	95	4135
4.5	1	96	4799
5.0	0	96	5535
5.5	0	96	6066
6.0	0	96	6370
6.5	0	96	6906
7.0	0	96	7627
7.5	1	97	7926

DEPTH	%PF	TBPF	%GTW	TBS	%CPU
1	35	23	33	20	36
2	31	25	33	18	35
3	34	19	34	15	29

r 1245 2.708 63