TO: Multics Performance Log

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SUBJECT: Results of Daily MULTICS Performance Measurements
           (Period: July 23 - July 27)

DATE: July 31, 1969

The result of daily MULTICS performance measurements is given below.

Date	Run #	# of users	system	Average CPU Time	Average # of P. F.	Total Real Time	Notes
7/23	MPM06A	16	3.1.1	--	--	--	*
7/23	MPM06B	18	3.1.1	--	--	--	*
7/23	MPM06C	15	3.1.1	--	--	--	*
7/24	MPM07	19	3.1.1	1.095	61	2970	
7/25	MPM08	20	3.1.1	1.136	64	3270	
7/26	MPM09	13	3.1.1	0.971	53	2550	**
7/27	MPM10	9	3.1.1	0.854	42	2370	**
7/24-7/25	Average***	19	3.1.1	1.115	62	3120	

Comparison of 3.0.14 and 3.1.1

The performances obtained by running the first half of the standard script on 3.0.14 and 3.1.1 are compared.

system	Run #	# of users	Average CPU Time	Average # of P.F.
3.0.14	MPM01-03	16	1.357	73
3.1.1	MPM06A-C	16	1.097	63

Therefore, we have a

19% improvement in average CPU time.

14% improvement in average # of page faults.

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* Only the first half of the script was run.
** These experiments were done to know the system performance of the lightly loaded system.
*** Only MPM07 and MPM08 are considered in deriving an average.