

GENERAL ELECTRIC

DIAL COMM•

DATE• December 11, 1967

COPIES•

DEPT.• CISL/SIPD

ADDRESS• 545 Technology Sq., Cambridge, Mass. 02139

SUBJECT• Performance Measurement: Page Fault Times

TO: I. Shy

FROM: C. Clingen/J. Gintell

The following results were obtained on a run on 7 December 1967.

Tapes used were the same as Collections 1, 2 and 3 used in Phase 1 run with exception of FIM being special timing version.

Duration of timing portion of run was from the first page fault taken until the last page fault prior to the system's attempting to read the tape containing Collection 4.

The following results were obtained:

Duration of timing run	981 seconds
Total time spent in Pagefaults	637 seconds
Number of Page Faults	3535
Average Page Fault Time	180.2 MS
Percentage of time in Pagefaults	64.9%

The following table is that data actually taken by program which collects data so as to get a distribution.

<u>Average (MS)</u>	<u>Duration (MS)</u>	<u>Count</u>
32.4	226.9	7
60.8	63 620.1	1047
85.3	154 278.7	1808
189.7	37 179.0	196
415.0	116 629.0	281
642.8	105 417.4	164
1.186.4	21 354.5	18
3.240.9	19 445.1	6
5.668.7	22 674.8	4
11.438.5	22 876.9	2
25.466.6	25 446.7	1
47.967.0	47 967.0	1