

至今647年上

DISK CHANACTERISTICS:

- 512 BYTES SECTOR
- 50 SECTIONS
  THACK
- · 2000 [TRACKS]

- . 5 N° OF PLATTERS
- · 54 00 MPM [NOTATIONS] (NOTATIONAL)
  SPEED
- . 10 MVS (SEEK TIME)

4 - 1 KBME = 1024 BYTES

1 Track CAPACITY 50. 518 = 25600 = 25 KBYTES

[BYTES] [SECTION ] [BYTES]

TOMOR ]

SUNFACE CAPACITY 25600. 2000 = 51 200 000 = 50 000 K BYTE

[PYTES] [TUNCKS] [BYTES]

SUNFACE SUNFACE

(1) DISK SUNFACE 5.2.51200 000 = 512 000 000 = 500 000 K RYTE

PLAMERS | SUNFACES | BYTES | BYTES | DISK

NUMBER OF DUK CYLINDERS 2)

NUMBER OF CYCINDERS = NUMBER OF TRACKS

(3) AVENAGE THANSFER TIME OF A BLOCK OF 4096 BYTES

. Time in second for 1 notation

EIN SECOND FOR 1 POTATION
$$\frac{1}{5400} \cdot 60 = 0,011 \left[ \frac{SECONDS}{POTATIONS} \right]$$

SECONOS TINGE

NEMOSE DELAY = HALF NOTATION = 0,006 [SECONDS]

A COMPLETE THACK CAN BE THANSFERDED PER ROTATION

DATA TRANSFER RATE = 
$$\frac{25600}{0.011} = \frac{2337}{2250} \frac{327}{52000} \frac{327}{52000} \frac{877ES}{52000}$$

[BITES] =  $\frac{2050}{52000} \frac{1096}{52000} = \frac{9011.4096}{20000} = \frac{900176}{50000}$ 

THANSFER TIME OF A BLOCK

IN ADDITION WE HAVE TO ADD AN AVERAGE SEEK TIME

(4) 256 IS NOT A VALID BLOCK SIZE (HALF SECTOR)

2048 IS OK SINCE IT IS EQUIVALENT TO 4 SECTORS

SI 200 ISNOT OK SINCE 100 >50 (MAX 50 SECTION PEN THACK)