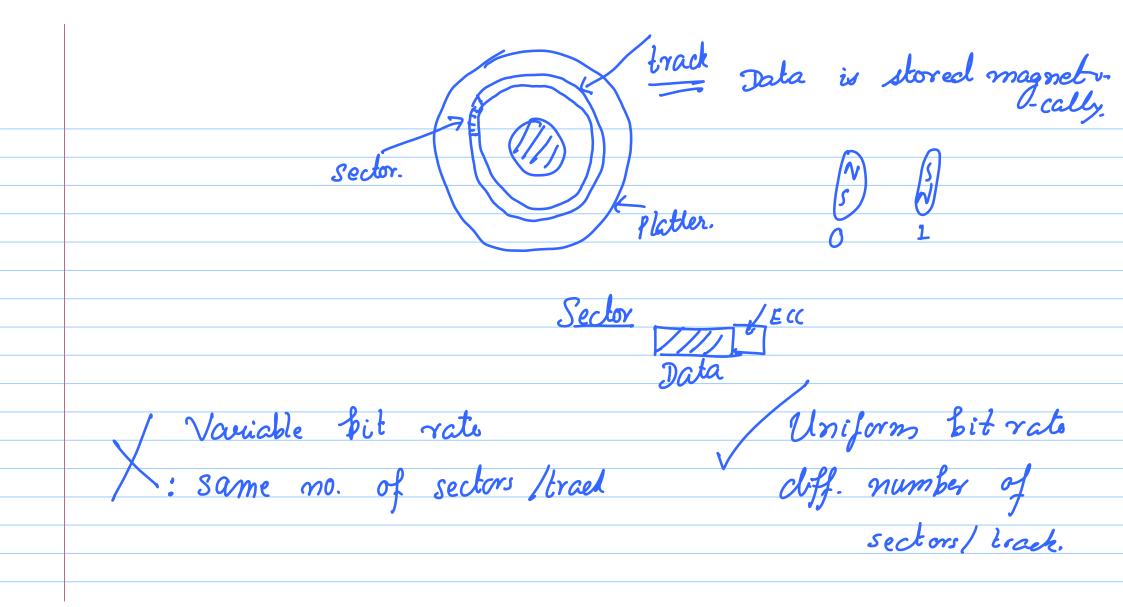
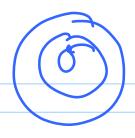
21-11-2011 Note Title Come prepared with definitions of: bus, mesh ring, 2d borus

3d borus HEAD PLATTER MOTOR



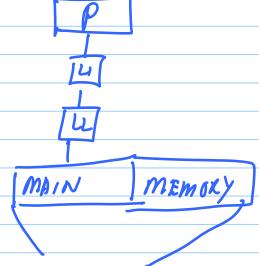


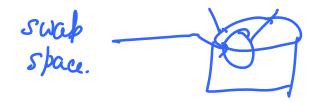
- 1. Move the head to the correct track

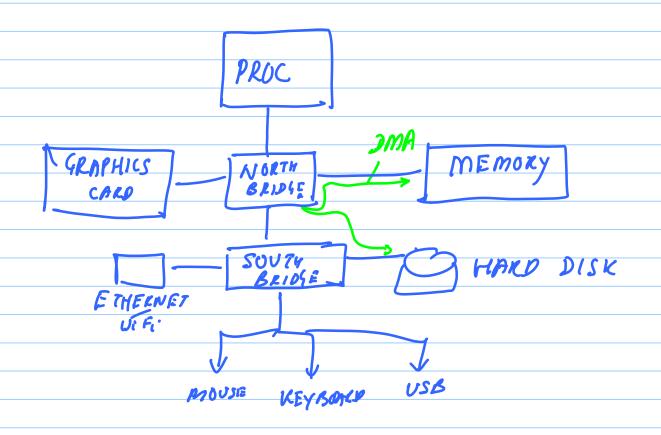
 (Seet Zome)
- 2. Rolational Latency: Wait for the correct sector to come below the head
- 3. Bandwidth (data read/written for second)

Total Latency of a disk access:

The seak time of Trot-latency of Solution of the Solution of







Example

32 bit address spac Virtual Memory: 46B

Main Memoy: 256 mB

Game: 1GB (memory footprint)

768 MB + 256 MB (HALD DUK (main mem.) SUAP STACE)

TLB Hit NO Proceed Check Page Table in main mem. mem. enecte TUB entry Proceed.

Create the TUB mapping-Ima engine proceed Direct Memory Access. (start addr. on dish, num-by tes) Caddr in memory) Once the DMA engine is done it sends an interrupt to the processor.

What happens to regular processor-memory traffic dwing a DMA transfer?

Burst Mode Cycle Stealing Mode

DMA stops the processor.

Commercial Computer System

107 cus tomers

Per customer: 100 mB

Total size: 107×108 bytes

= 1 PB

Reliability Lt

MITTE -> Mean Tome to

Failure

MTTR -> Mean Time to

Recovery

Availability: MTTF + MTTR.