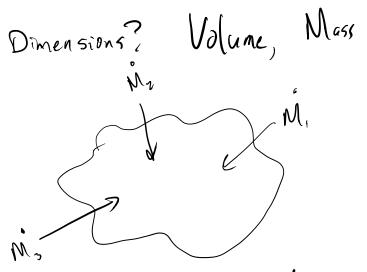
Into to Mass, Energy, Entropy Balance Equitions + Generation In-Out Accumulation Consumption Rate at which water change of the lake | Rate at which water flows ont of the lake | lake | What would ? Change in amount of under in the lake during the month of January Tanuary



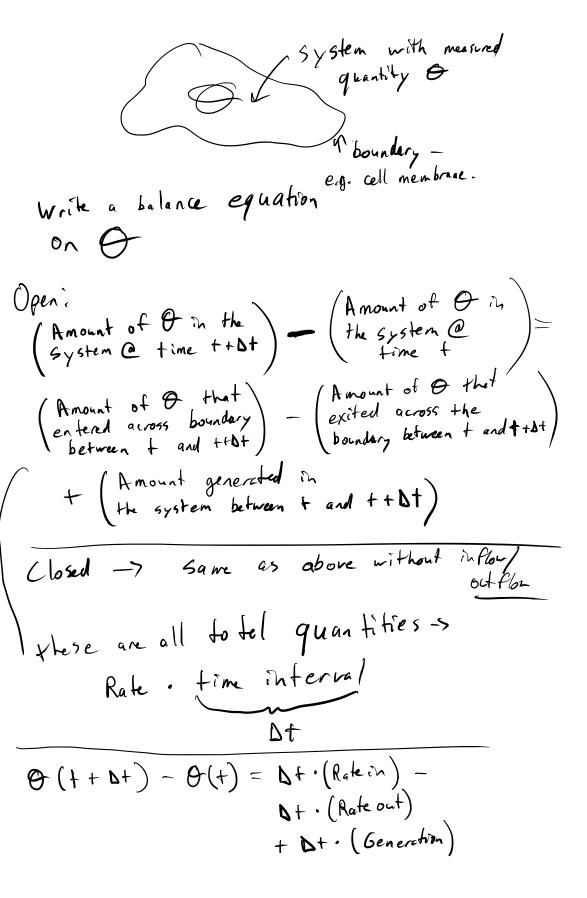
- 1) In general, ve consider a system as 1) open or 2) closed,
- 2) System has to be defined by some boundary or boundaries can more or be stationary.

When describing systems that change over time, we need dimensions.

Dt: small interval of time.

O: some measured quantity in the system.

Day 1: "Time" by Pink Flord
Day 2: Take it to the linit" - Eagles.



pure component

molar

what if you want total mess? integrate;

$$\int_{t_1}^{t_2} \frac{dM}{dt} dt = \int_{k=1}^{\infty} M_k$$

SE Mk dt

Kin time variable
is a constant.

KMK State

Language

KMK State

K

total change in system
is
$$(t_2-t_1) \geq M_K = M(t_2)-M(t_1)$$
 $K=1$