

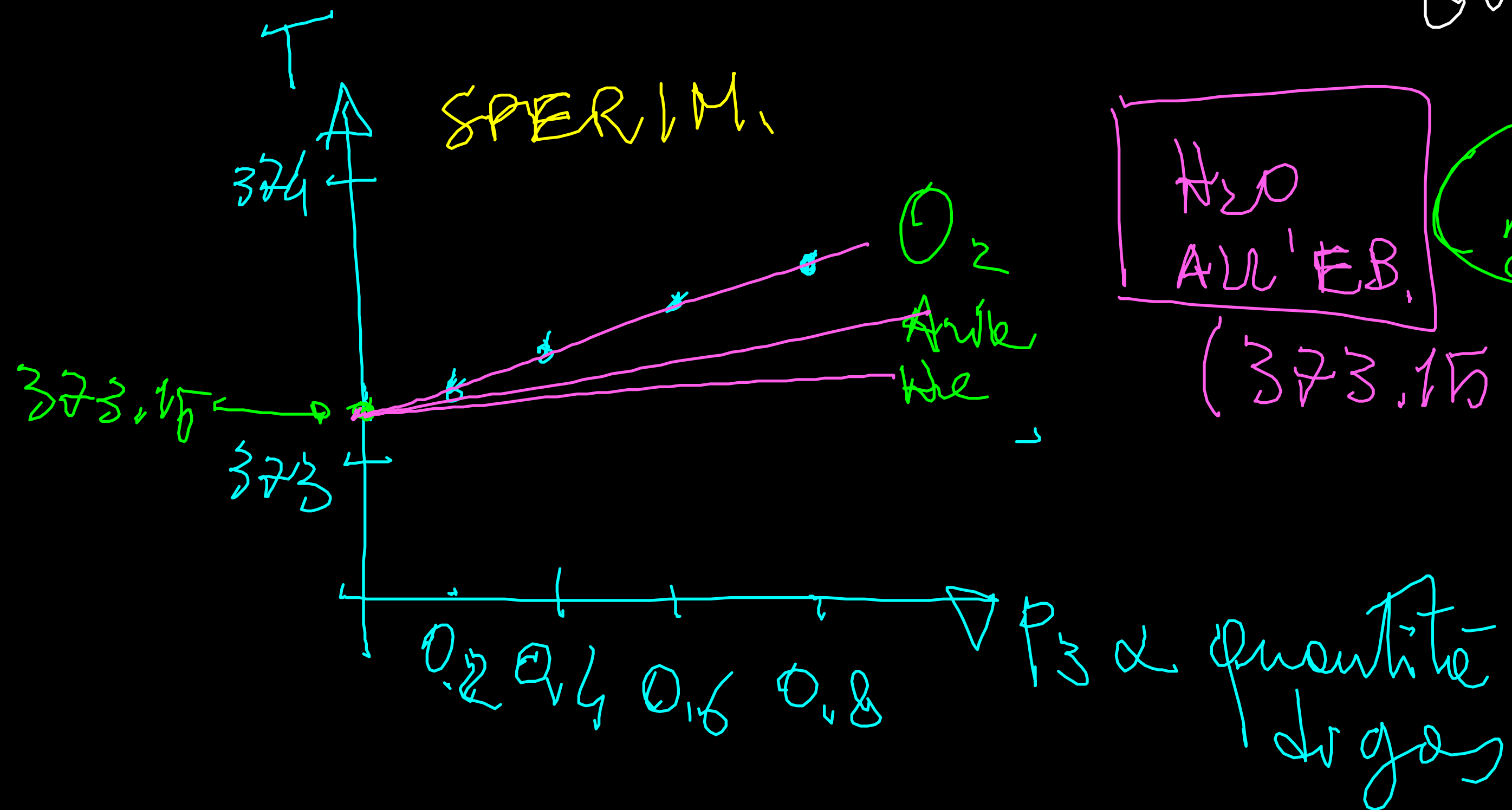
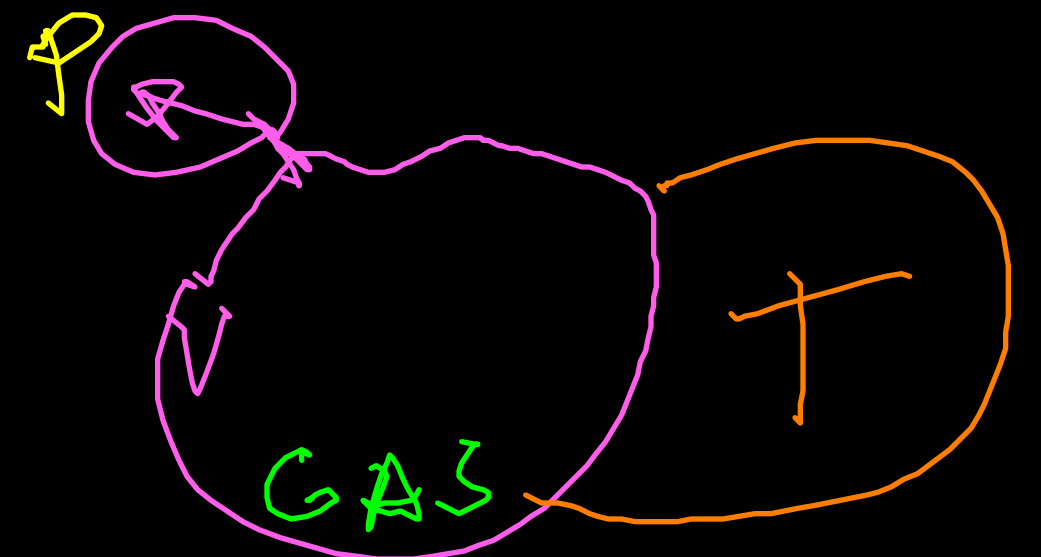
MISURA DELLA TEMPERATURA

SCALA
KELVIN

$$T = \lim_{P_3 \rightarrow 0} (273.16 \text{ K}) \frac{P}{P_3}$$

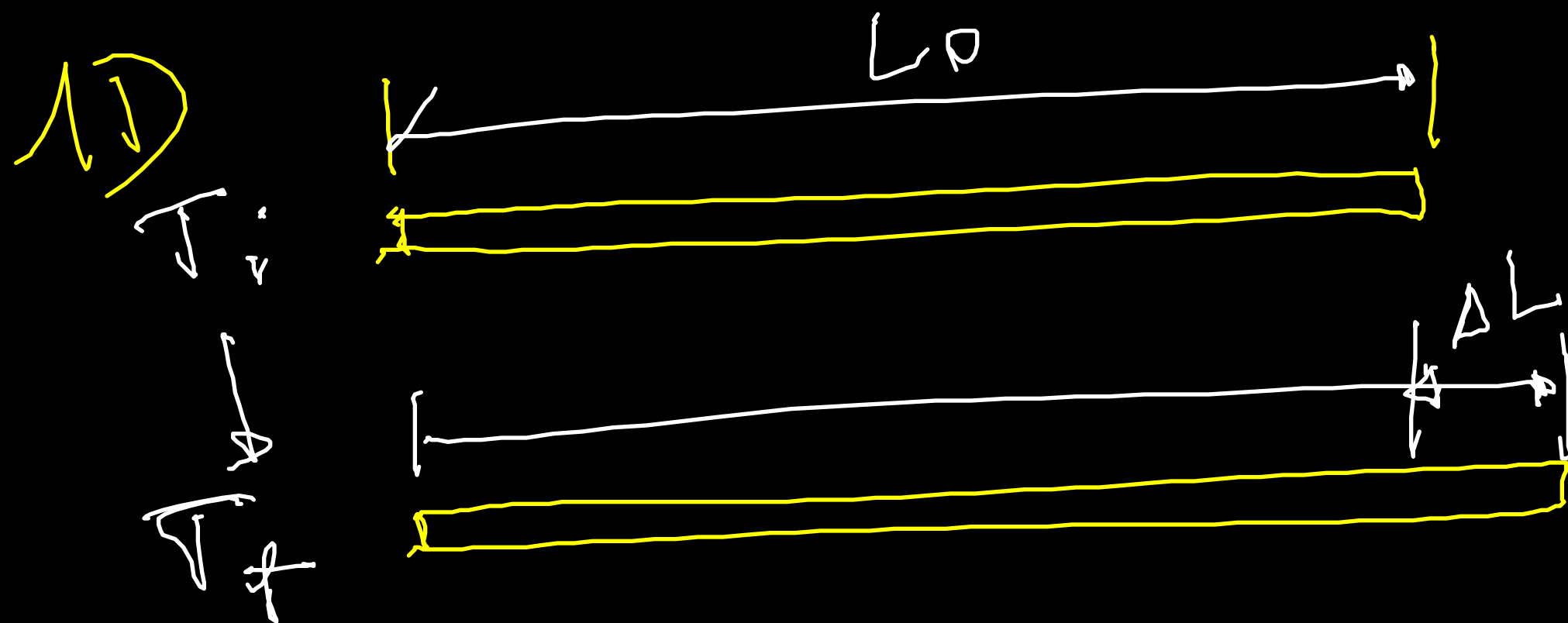
Temp. minima

P → men. min.
 P_3 → Pres. limit. al punto triplo dell' H_2O



GAS (REALE)
 RAREFATTO
 ($P \rightarrow 0$)
 \Downarrow
 GAS IDEALE
 o PERFETTO

DILATAZIONE TERMICA



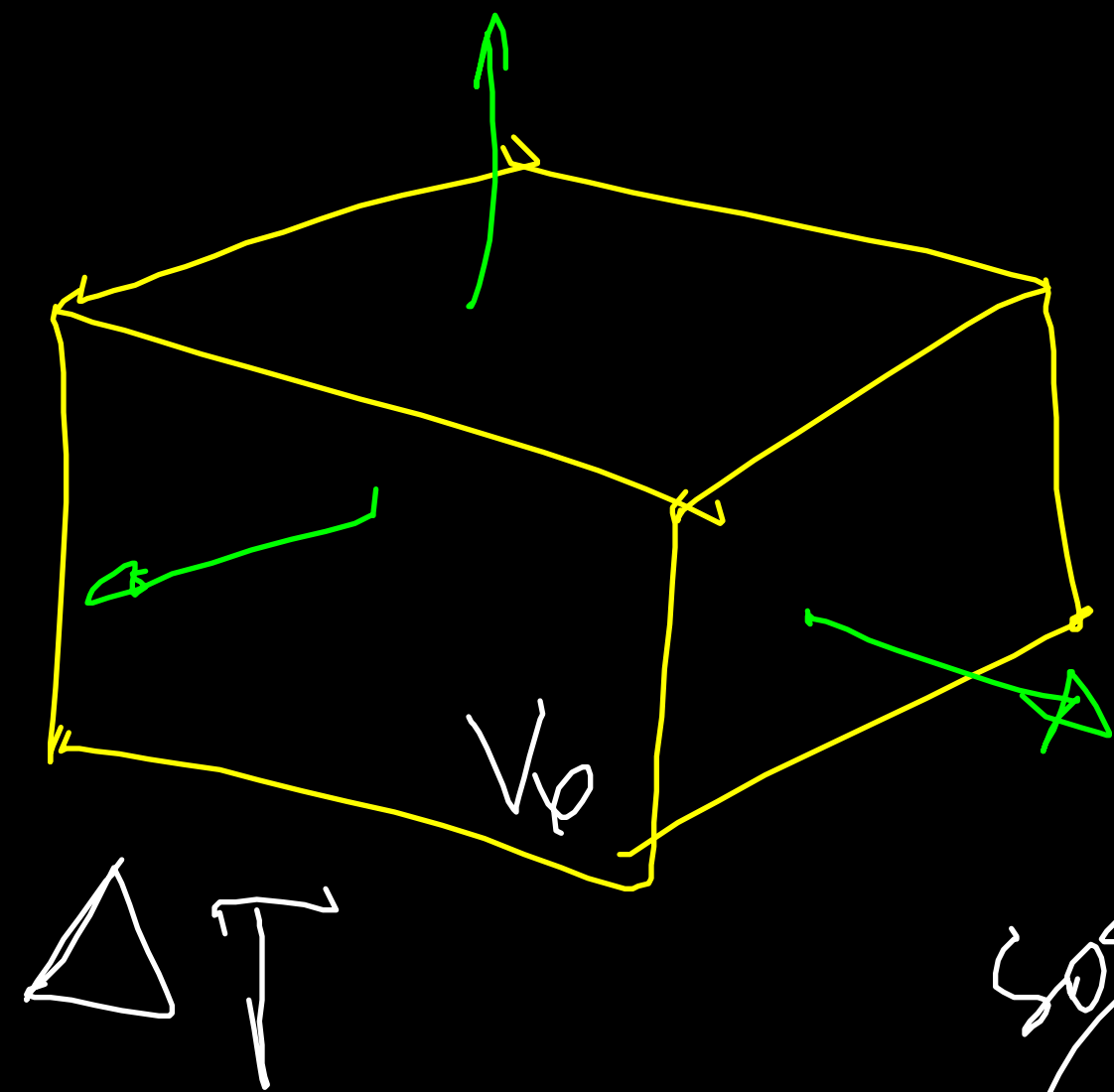
$$\Delta T = T_f - T_i$$

$$\Delta L = \alpha L_0 \Delta T$$

↑
[K]⁻¹

Coeff. di dilatazione termica lineare

3D



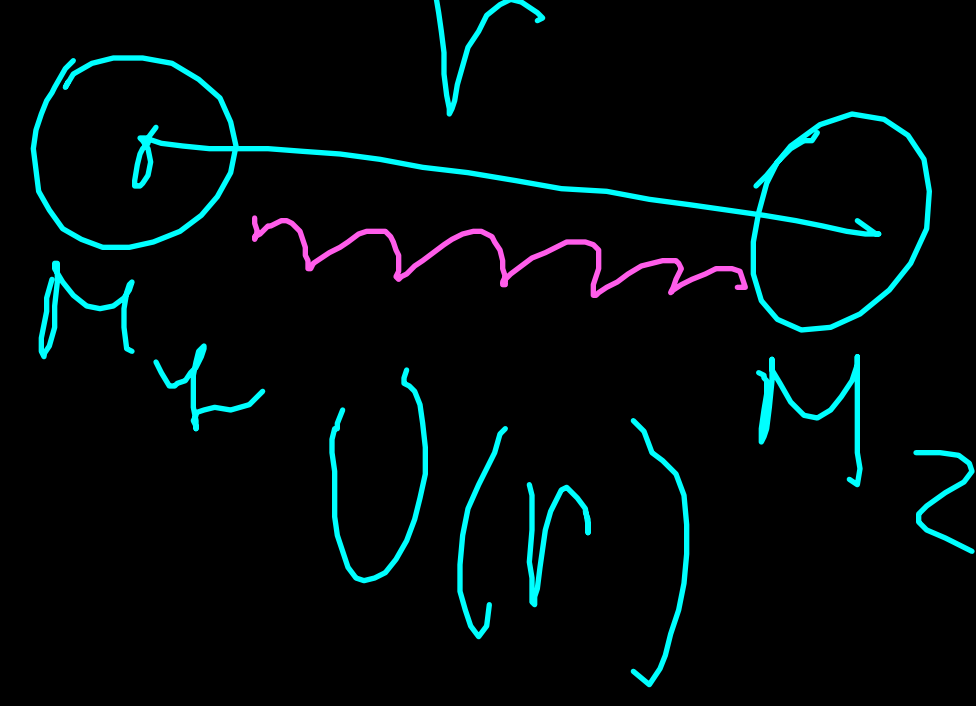
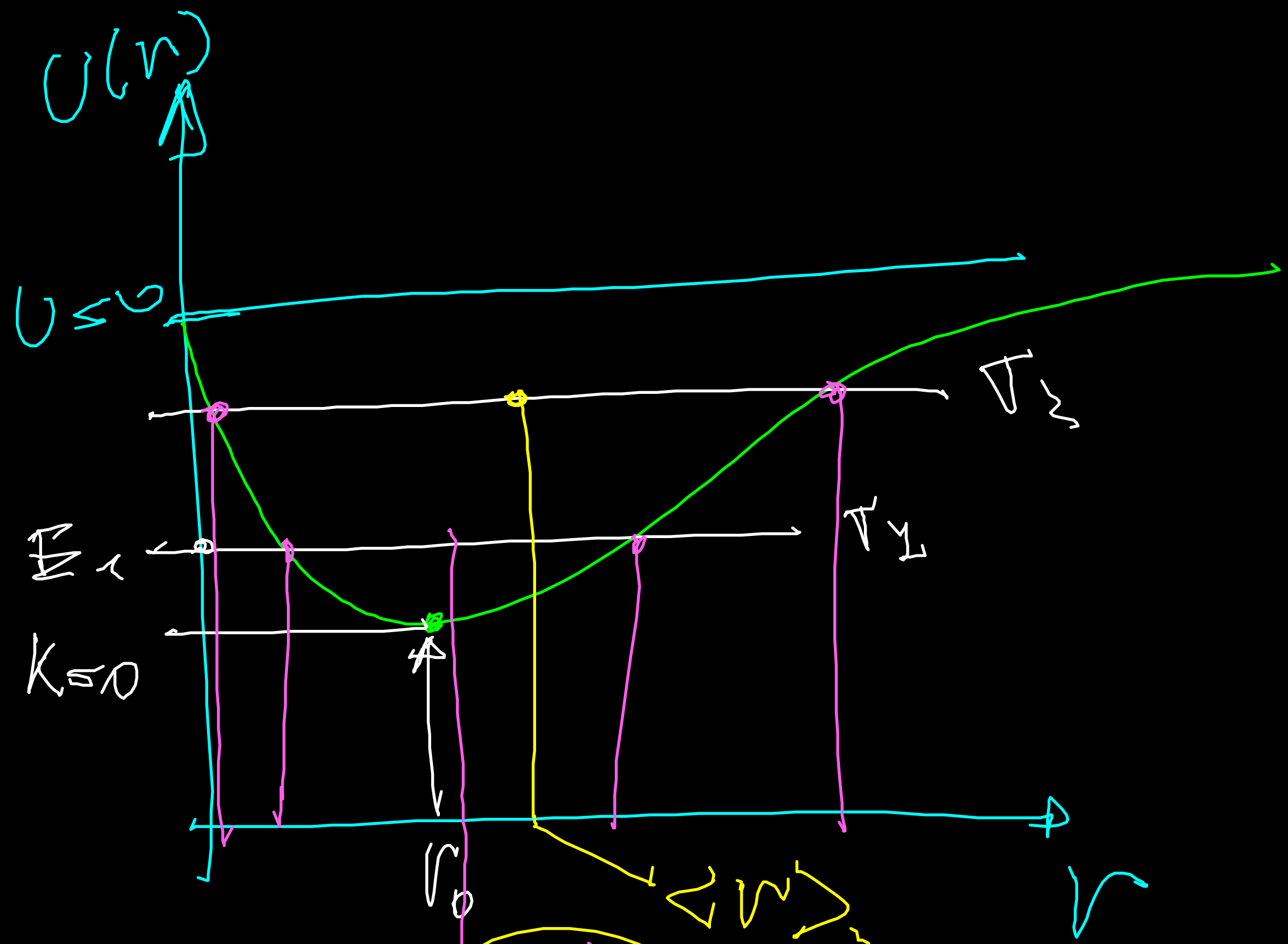
Dilatazione termica di volume

$$\Delta V = \beta V_0 \Delta T$$

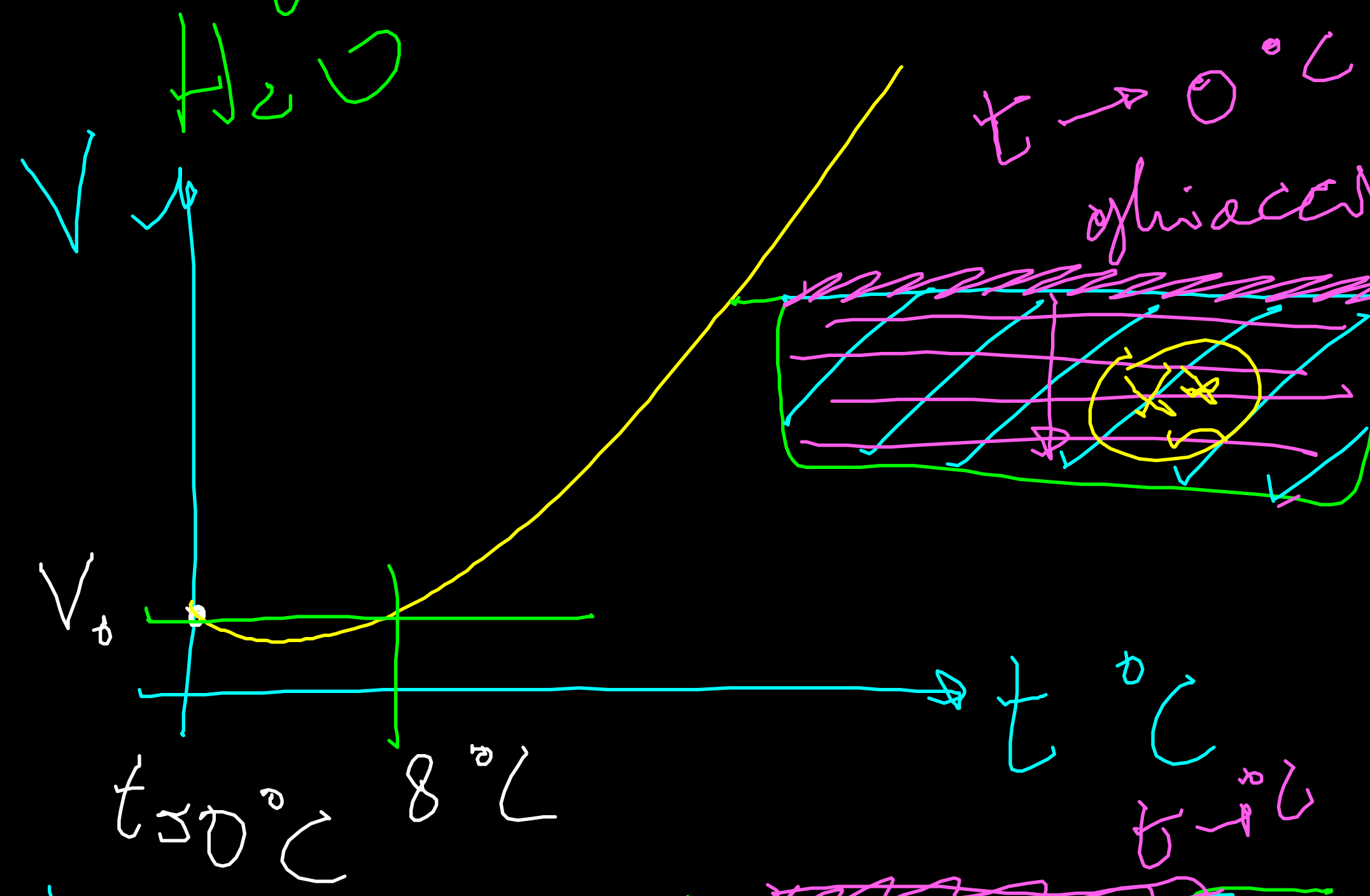
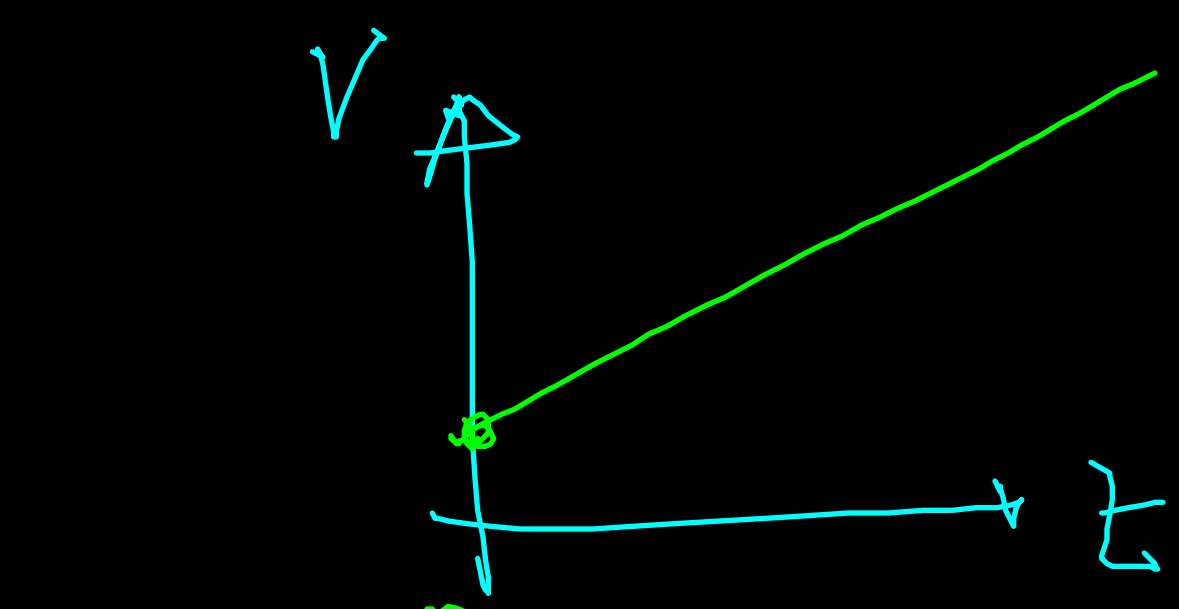
~~SOLO METALLO~~

$$\beta = 3\alpha$$

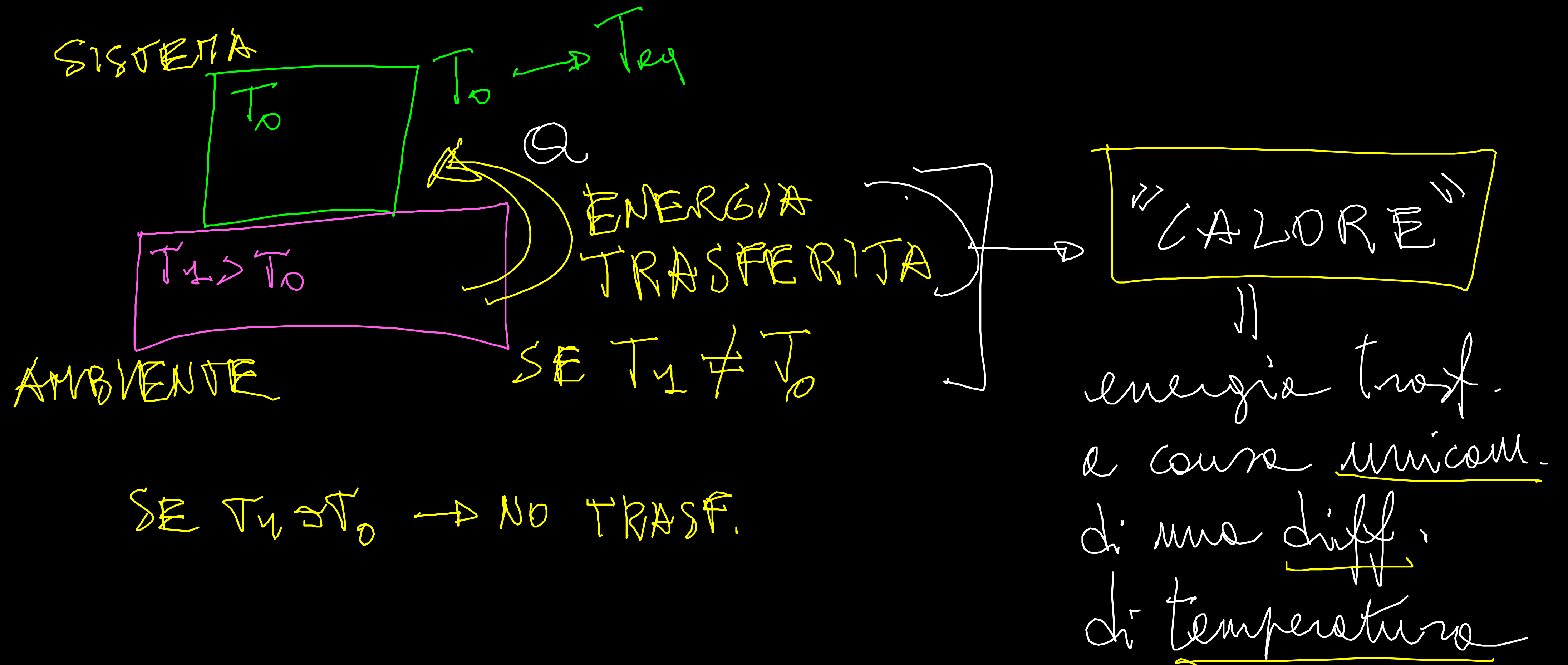
↑
coeff. di dil. termica cubica

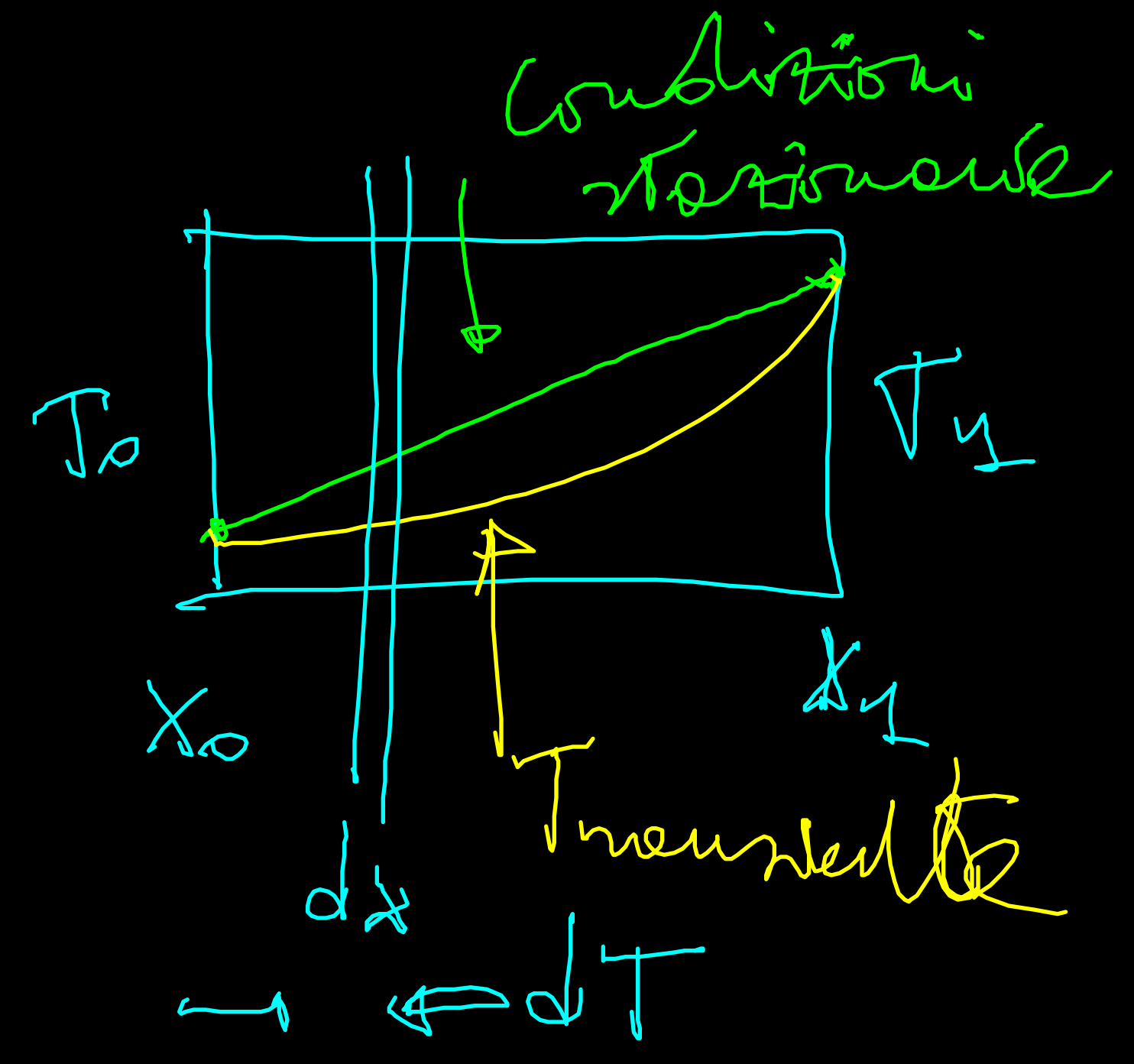
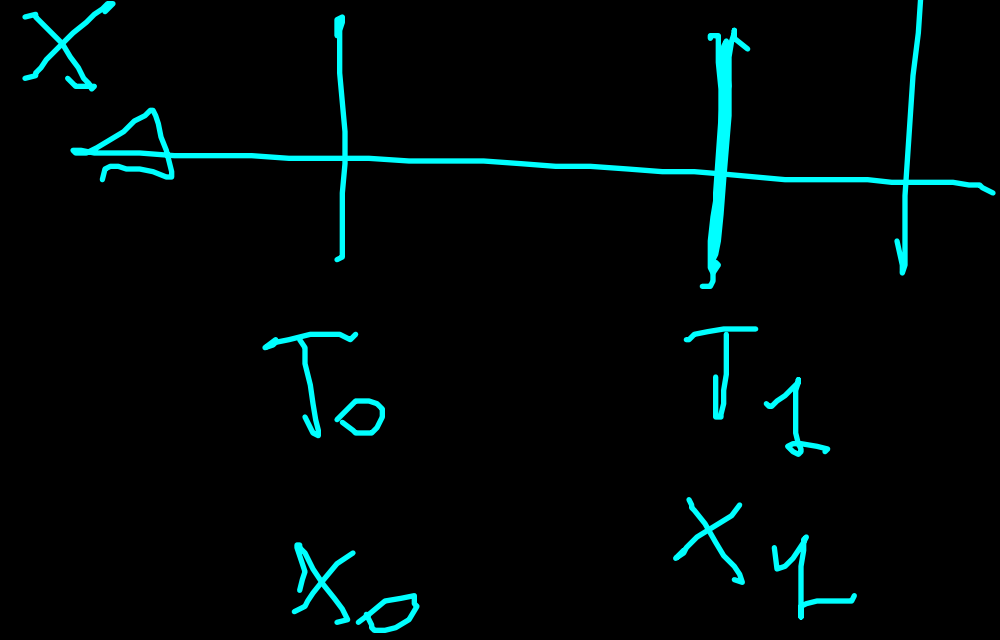
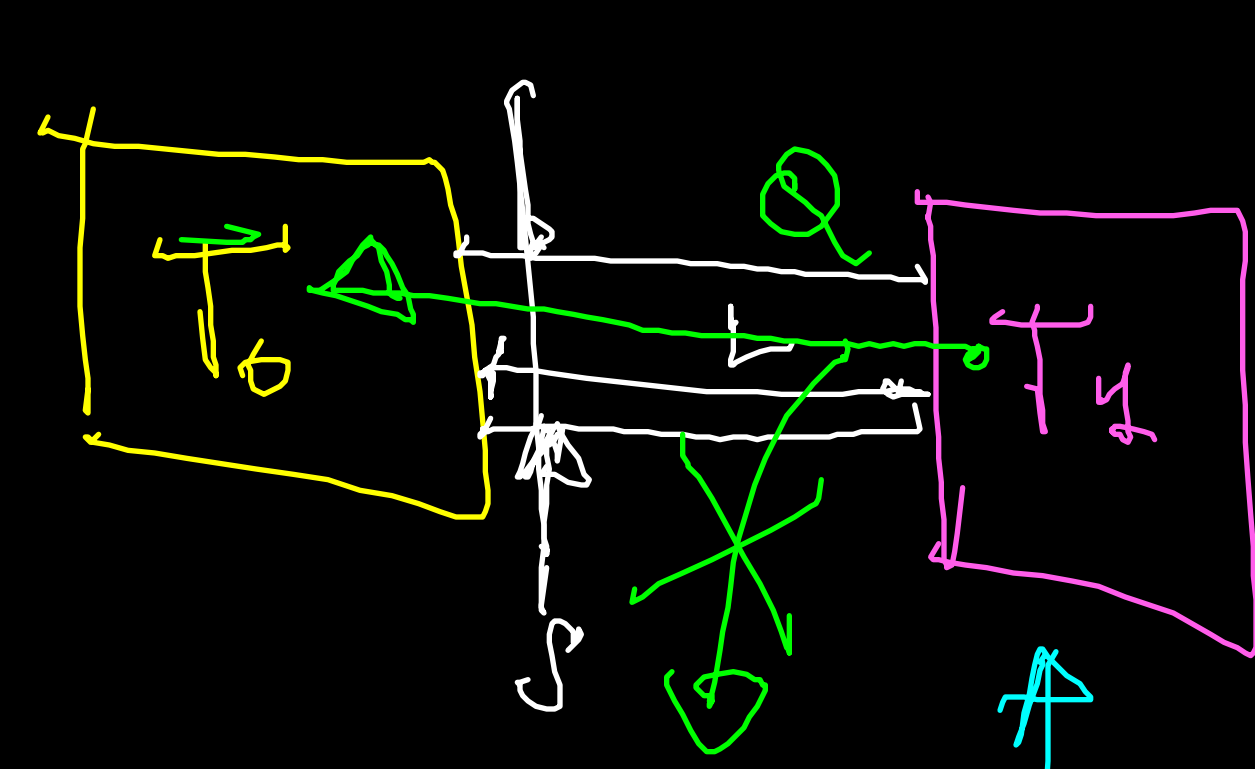


$$E = K + U(r)$$



CALORE E SUA TRASMISSIONE





$$C = -kS \left(\frac{dT}{dx} \right)$$

gradiente
temperatura