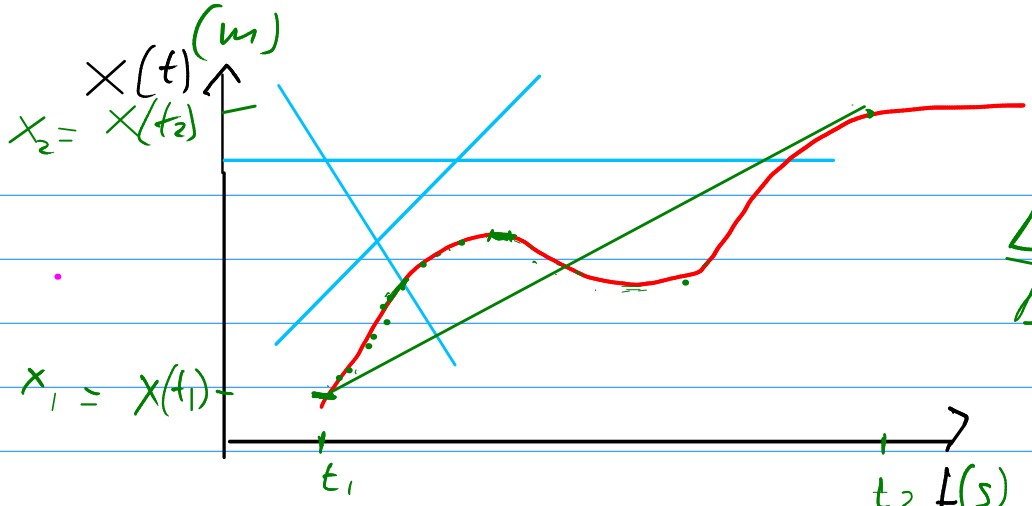


$\frac{\Delta x}{\Delta t} \to \frac{dx}{dt}$ $\left(\frac{m}{s}\right)$

↓

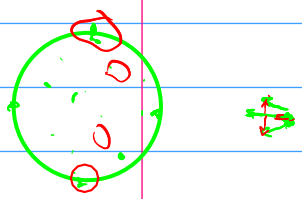
1) pendenza locale

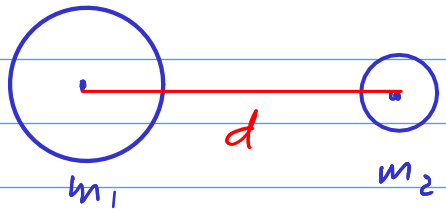
2)

$\frac{\Delta y}{\Delta x}$

punto materiale m_1 m_2

$$F \propto \frac{M\,m}{R^2} \to \frac{m_1 \cdot m_2}{d^2}$$





m_1, m_2 : gravitazionale!

$$F = G\frac{m_1 \cdot m_2}{d^2}$$

$|\vec{F}|$

$\vec{F}^{(m_2)}_{m_1} = -\vec{F}^{(m_1)}_{m_2}$

1) $m_1, m_2, d, F \to G$

2) $\left|\vec{F}^{(M_T)}_{m}\right| = \frac{G M_T \cdot m}{R_T^2}$

$\to M_T$?

$F = k\frac{q_1 \cdot q_2}{d^2}$

$v_x = \frac{\Delta x}{\Delta t} \to \Delta t \to 0 \quad \frac{dx}{dt}$

1)

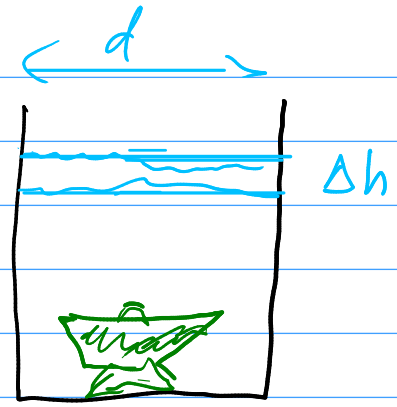
$a_x = \frac{\Delta v_x}{\Delta t} \to \frac{dv_x}{dt} \to \frac{d^2x}{dt^2}$

2) $\vec{a} = \frac{\vec{F}}{m} \xrightarrow{\vec{F}=0} \vec{a}=0 \Rightarrow \vec{v} = k$

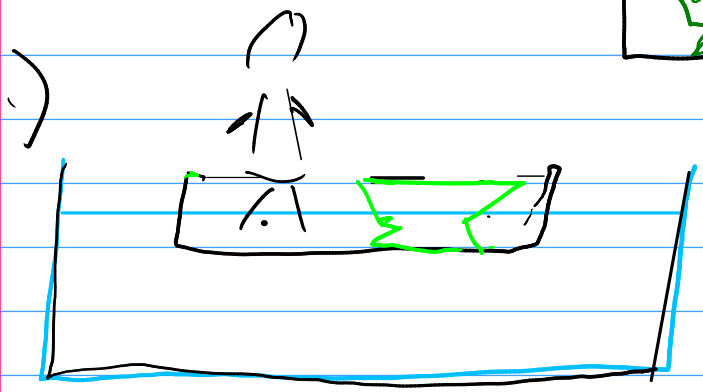
"$F \propto \Delta p$"

3) Azione - reazione $\to \vec{F}^{(B)}_{A} = -\vec{F}^{(A)}_{B}$

Eureka?



1)



2) incudine affondata!

livello acqua?