

$$\vec{P}_1 = \vec{P}_1' + \vec{P}_2' \Rightarrow \vec{P}_1' = (\vec{P}_1 - \vec{P}_2')^2$$

ΦΥΣΙΚΗ

$$\vec{A}_1/2m_1 = \vec{P}_1'^2/2m_1 + \vec{P}_2'^2/2m_2$$



$$\begin{aligned} \vec{P}_1'^2 &= \cancel{\vec{P}_1^2} + \vec{P}_2'^2 - 2\vec{P}_1' \cdot \vec{P}_2' \\ \vec{P}_1'^2 &= \cancel{\vec{P}_1^2} - \vec{P}_2'^2 \frac{m_1}{m_2} \end{aligned}$$

$$\begin{aligned} \vec{P}_2'^2 \left(1 + \frac{m_1}{m_2}\right) &= 2\vec{P}_1' \cdot \vec{P}_2' = 2\vec{P}_1' \vec{P}_2' \cos\delta \\ \cancel{m_2} u_2 &\cancel{u_2} \cancel{\left(\frac{m_1+m_2}{m_2}\right)} = 2m_1 v_1 m_2 \cancel{u_2} \cos\delta \end{aligned}$$

$$u_2 = \frac{2m_1}{m_1+m_2} v_1 \cdot \cos\delta$$

$$\sqrt{2qr}$$

三

$$1 + m_2/m_1$$

a₂

תְּלִיחָנָן

$$m_1(1 + \frac{m_1}{m_2}) = \sqrt{2\alpha/\mu}$$

$$\vec{P}_1 = m_1 \vec{u}_1 = h \sqrt{2\alpha/\mu} \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix} = \sqrt{2\alpha\mu} \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix}$$

$$\frac{\sqrt{2\varrho/\mu}}{1 + m_1/m_2}$$

一一

$$u_1 - u_2 = \sqrt{\frac{2g}{\mu}}$$

$$\sqrt{\frac{2g}{h}}$$

Σ

$$(Q) = \frac{1}{2} m_1 h_1^2 + \frac{1}{2} m_2 h_2^2$$

$$u_2 = -\frac{m_1}{m_2} u_1$$

$$\left. \begin{array}{l} m_1 u_1 + m_2 u_2 = 0 \\ \end{array} \right\}$$

$$Q = \frac{1}{2} m_1 u_1^2 + \frac{1}{2} m_2 u_2^2$$

$$= \frac{1}{2} m_1 \left(\frac{u_1 - u_2}{m_1} \right)^2 + \frac{1}{2} m_2 \left(\frac{u_1 + u_2}{m_2} \right)^2$$

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メタ

$$\begin{array}{c} u_2 \\ \downarrow \\ m_2 \end{array}$$

三
二

$$Q = \frac{1}{2} m u_i^2 + \frac{1}{2} m u_z^2 = \frac{1}{2} \mu u^2$$

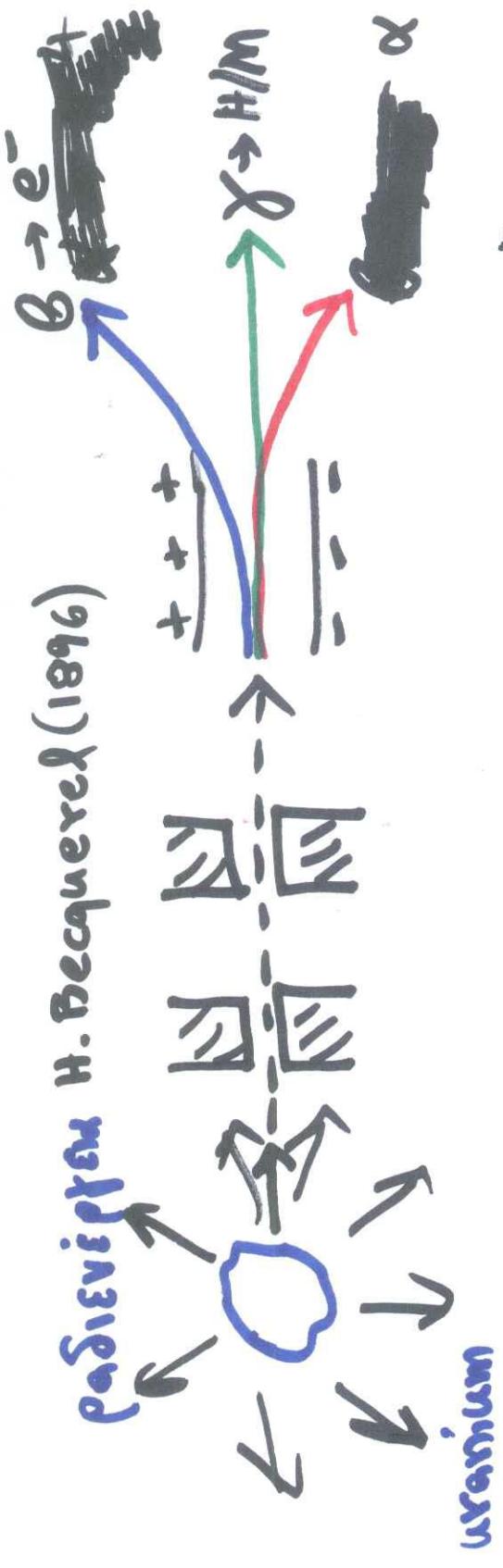
$$Q = \frac{1}{2} m u_i^2 + \frac{1}{2} m u^2 \quad \boxed{=} \quad \frac{1}{2} m u^2$$

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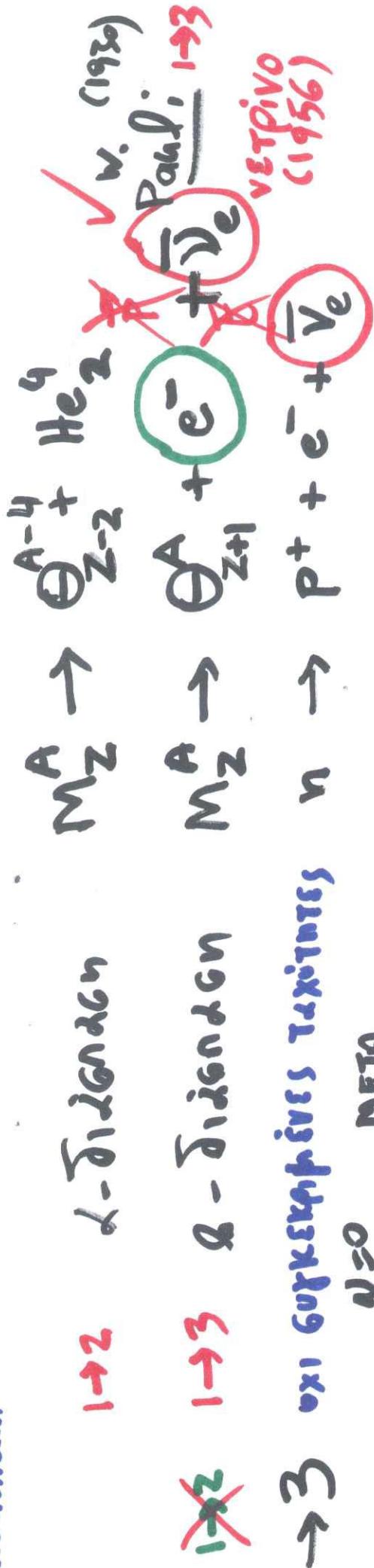
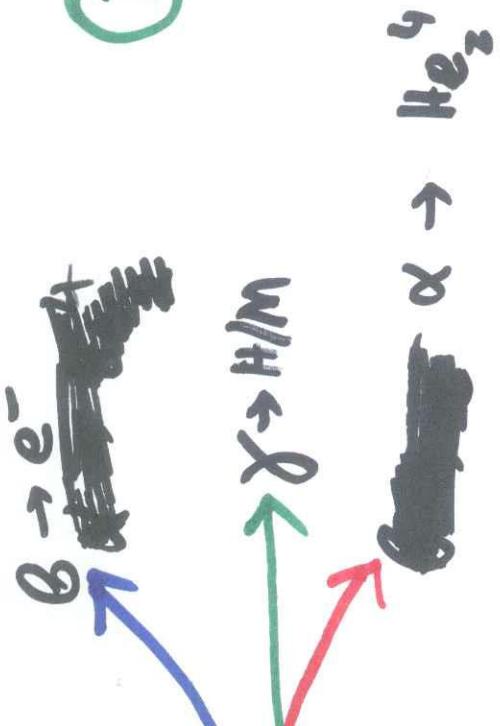
Νότιων ορών της Ηλασθαί

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παραδείγματα H. Becquerel (1896)



③



H απαιτηθεν της ιδαφής του νετροποιού με
n μετατρέπεται σε αλιγάτο ψήφια του
αποκατέστανεται την διατίπνευση
της αρρεστίας και της ενδιαφοράς
για τη διατίπνευση

(4)

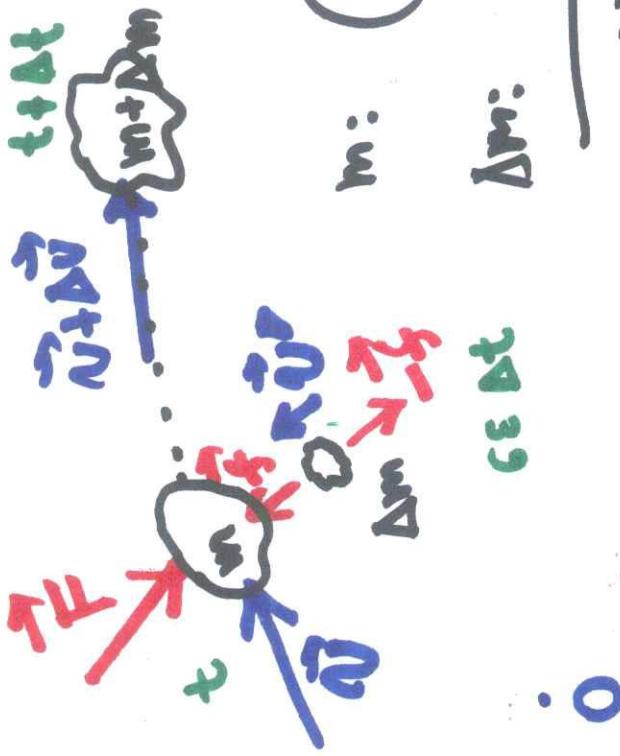
Արքն Դաս Օպէնիս

$$\Delta \vec{P} = \vec{F} \Delta t$$

$$\frac{\Delta \vec{P}}{m} = (\vec{v} + \Delta \vec{v}) - m \vec{v} = \vec{F} \Delta t + \cancel{\vec{f} \Delta t}$$

$$\Delta m: \quad \Delta m (\vec{v} + \Delta \vec{v}) - \Delta m \vec{v}' = -\cancel{\vec{f} \Delta t}$$

~~Δv' = Δv + Δv'~~



~~Δv' = Δv + Δv'~~

$$m \Delta \vec{v} + \Delta m \vec{v} + \Delta m \Delta \vec{v} - \Delta m \vec{v}' = \vec{F} \Delta t$$

$$m \frac{\Delta \vec{v}}{\Delta t} + \frac{\Delta m (\vec{v} - \vec{v}')}{\Delta t} + \cancel{\frac{\Delta m \Delta \vec{v}}{\Delta t}} = \vec{F}$$

$\lim_{\Delta x \rightarrow 0}$

$$m \frac{d\vec{v}}{dt} = \vec{F} + \frac{dm}{dt} (\vec{v}' - \vec{v})$$

$$m = m_0 e^{-Av/s}$$

$$U = U_0 + u \ln\left(\frac{m}{m_0}\right)$$

$$\frac{m}{m_0} = e^{-\Delta \psi / \mu}$$

$$\Delta u = \frac{u - u_0}{u} \hat{=} \left(\frac{m}{m_0} \right) \hat{=} \frac{\rho}{\rho_0}$$

$$mdu = \frac{u}{u - t} dt$$

+ **(RAYZIM)** هَرْزِيمٌ.

$\Sigma_{\text{total}} = \Sigma_{\text{kinetic}} + \Sigma_{\text{potential}}$

貞吉 + 仁 = 貞吉

$\frac{1}{\sqrt{d}} \cdot \frac{1}{\sqrt{d}} = \frac{1}{d}$

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