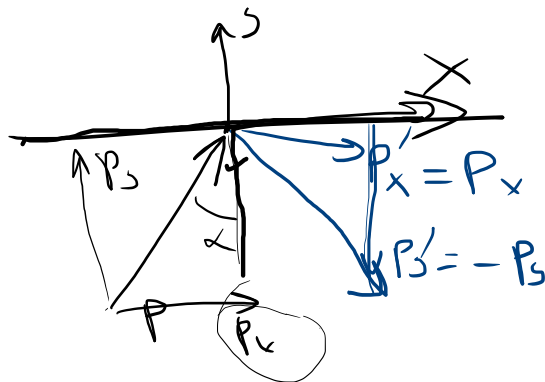


Закон сохранения энергии

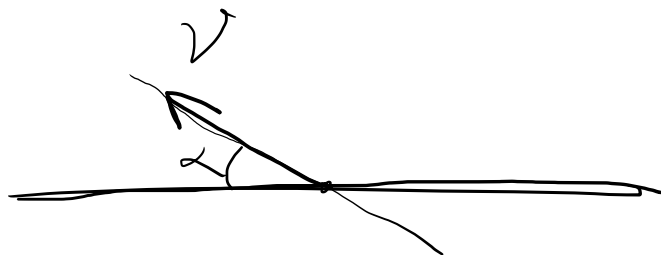
Закон сохранения импульса

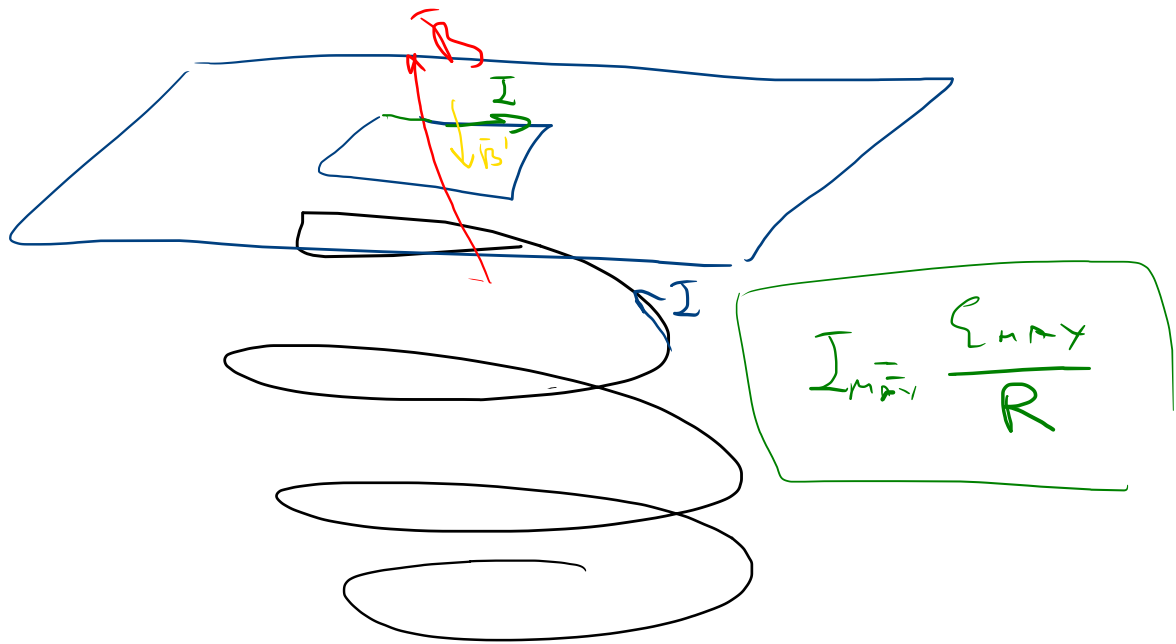
$$p = m\overline{v}$$
$$\Delta p_z = 0$$



$$\Delta p = p_z - (-p_z) = 2p_z$$

1.

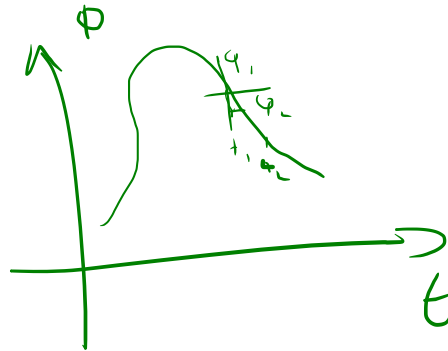




$$\mathcal{E} = - \frac{\Delta \Phi}{\Delta t} = \frac{(\Delta \vec{B} \cdot \vec{S})}{\Delta t} = \frac{\partial B \cdot (\sin \omega t)}{\partial t} |\vec{S}| =$$

$$= B \cdot |\vec{S}| \frac{\partial \sin \omega t}{\partial t} = \underline{B \cdot |\vec{S}| \omega \cos \omega t}$$

$$\xi = \frac{\Delta \Phi}{\Delta t}$$



$$\frac{\Phi_2 - \Phi_1}{t_2 - t_1} = \xi$$

$$\Delta t \rightarrow 0$$

$$\xi = \frac{\Phi(t)}{dt}$$

$$\Phi(t) = 2t$$

$$\frac{\partial \Phi(t)}{\partial t} = 2$$

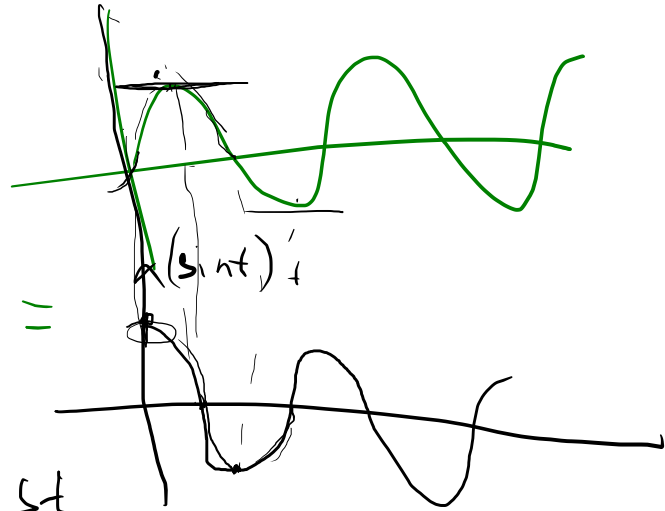


$\sin t$

$$(\sin t)'_t = \frac{d \sin t}{dt} =$$

$$= \frac{d \sin t}{dt} = \cos t$$

CONCAC

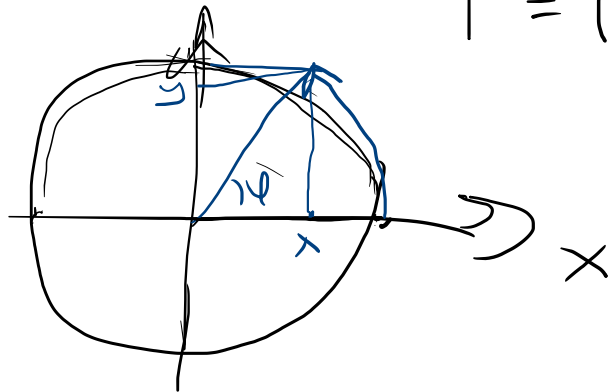


$$(\sin(\omega t))' = \cos \omega t \cdot (\omega t)' =$$

$$= \cos \omega t \cdot (\omega)$$

$$\Sigma_i = B / s / \omega \cos \omega t = 1$$

$$T = 1c$$



$$\frac{d\phi}{dt} = \omega$$

$$x = \cos(\omega t)$$

$$y = \sin(\omega t)$$

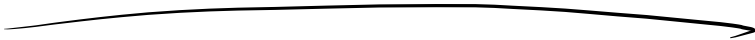
$$\omega = 2\pi f$$

$$\omega = \frac{\phi}{t}$$

$$\phi = \omega t$$

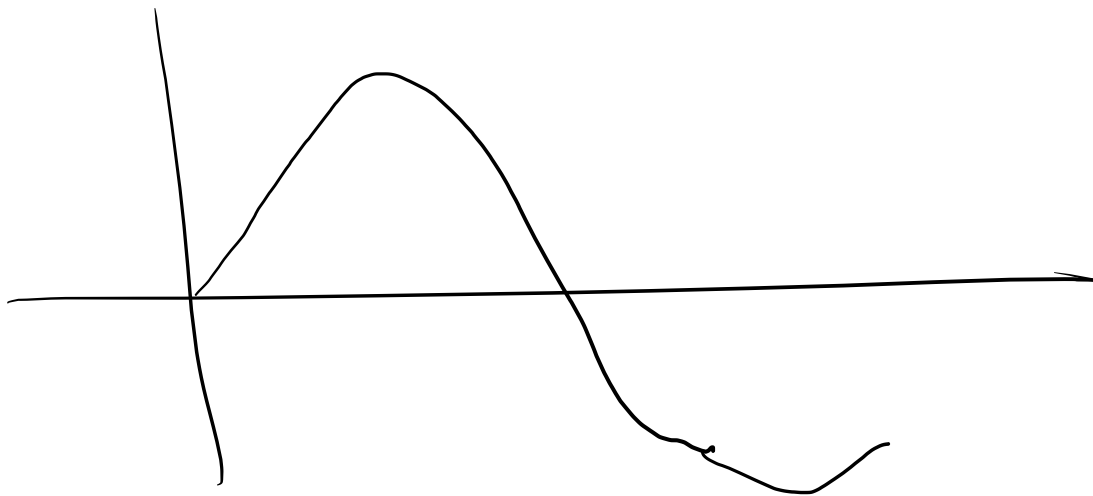
$$\phi = \omega \sin \omega t$$

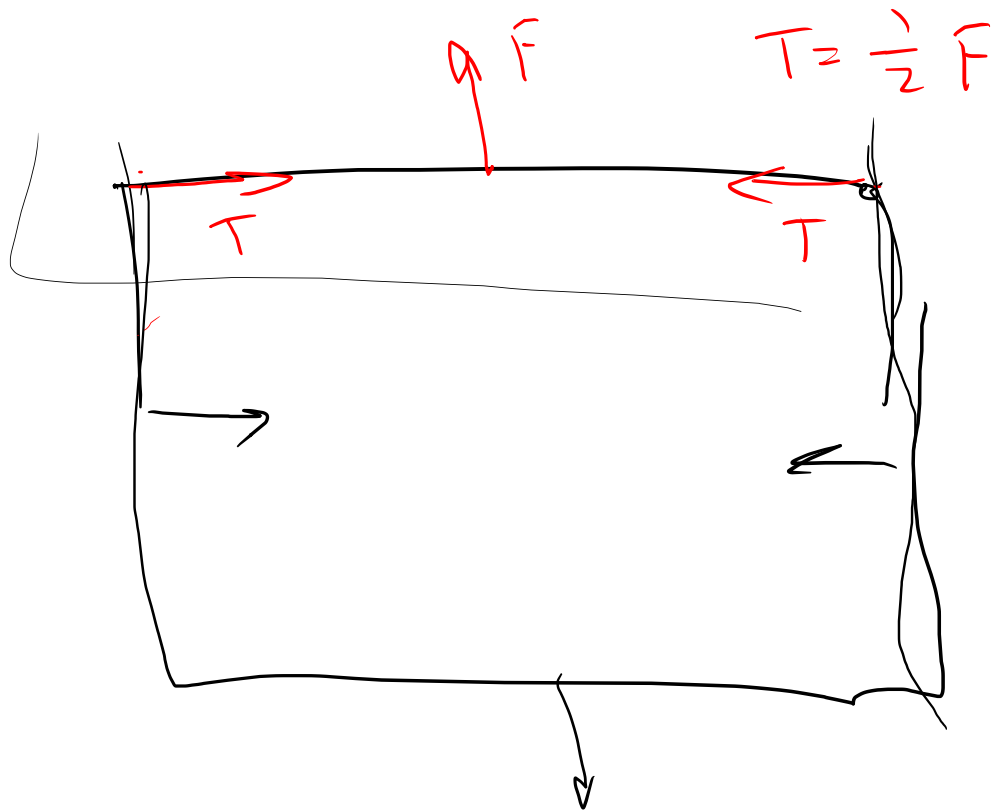
$$\frac{d\phi}{dt} = -\omega \sin \omega t$$


$$\phi = \sin \omega t$$

$$\frac{d\phi}{dt} = \omega \cos \omega t$$







kanal.

