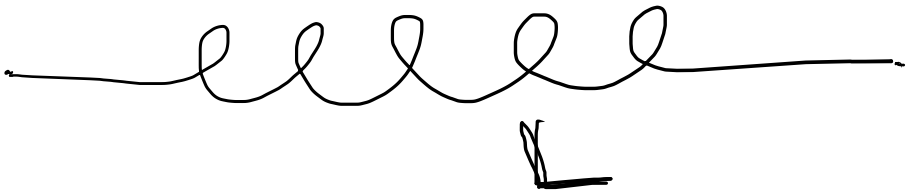
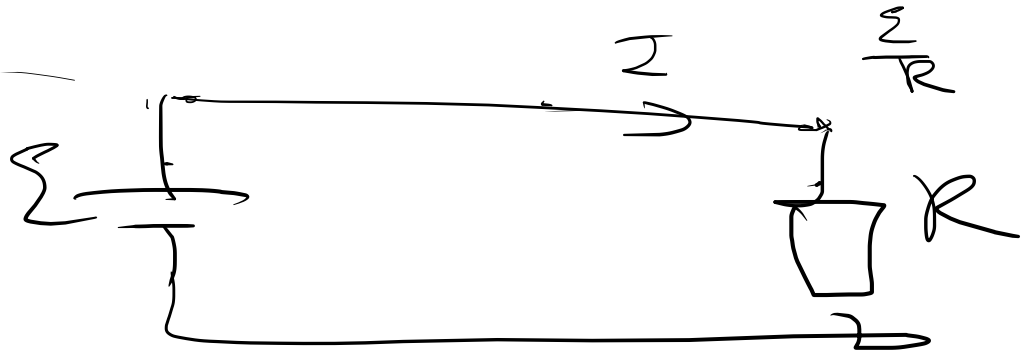
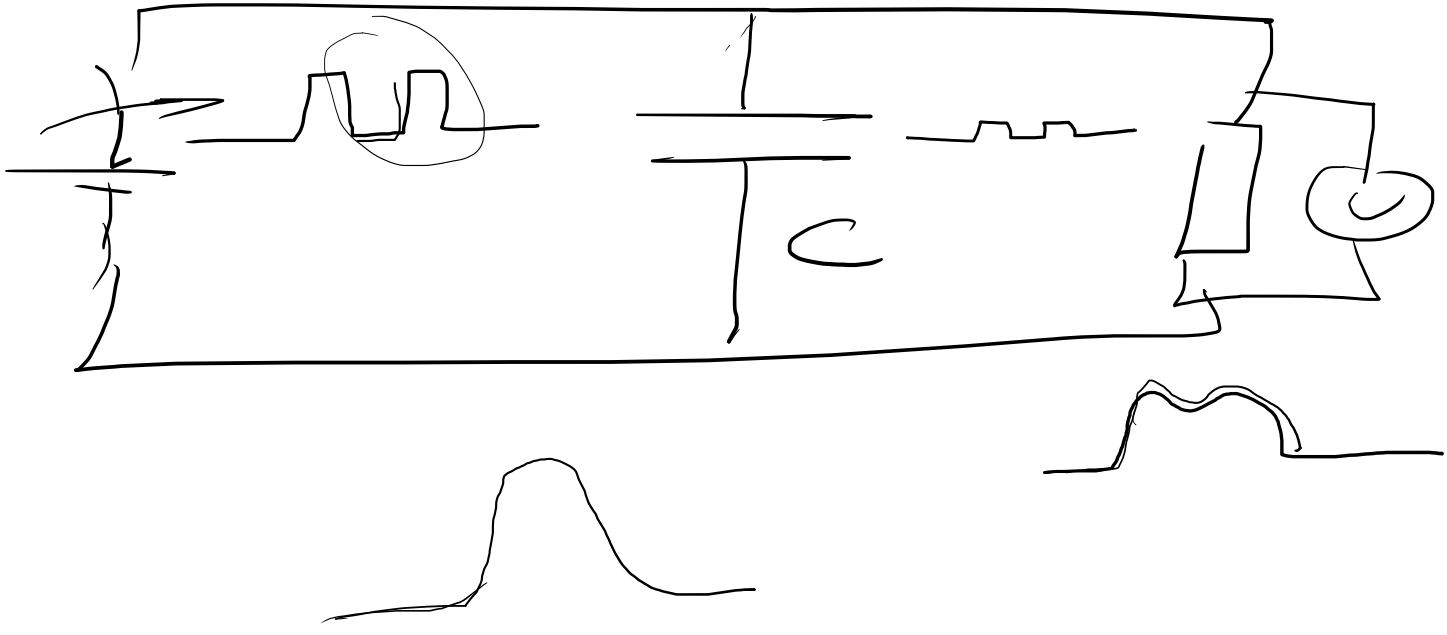

L


I
ε/R
ε
R



$$Q = C u$$

$$\frac{dQ}{dt} = C \frac{du}{dt}$$

$$I = C \frac{du}{dt}$$

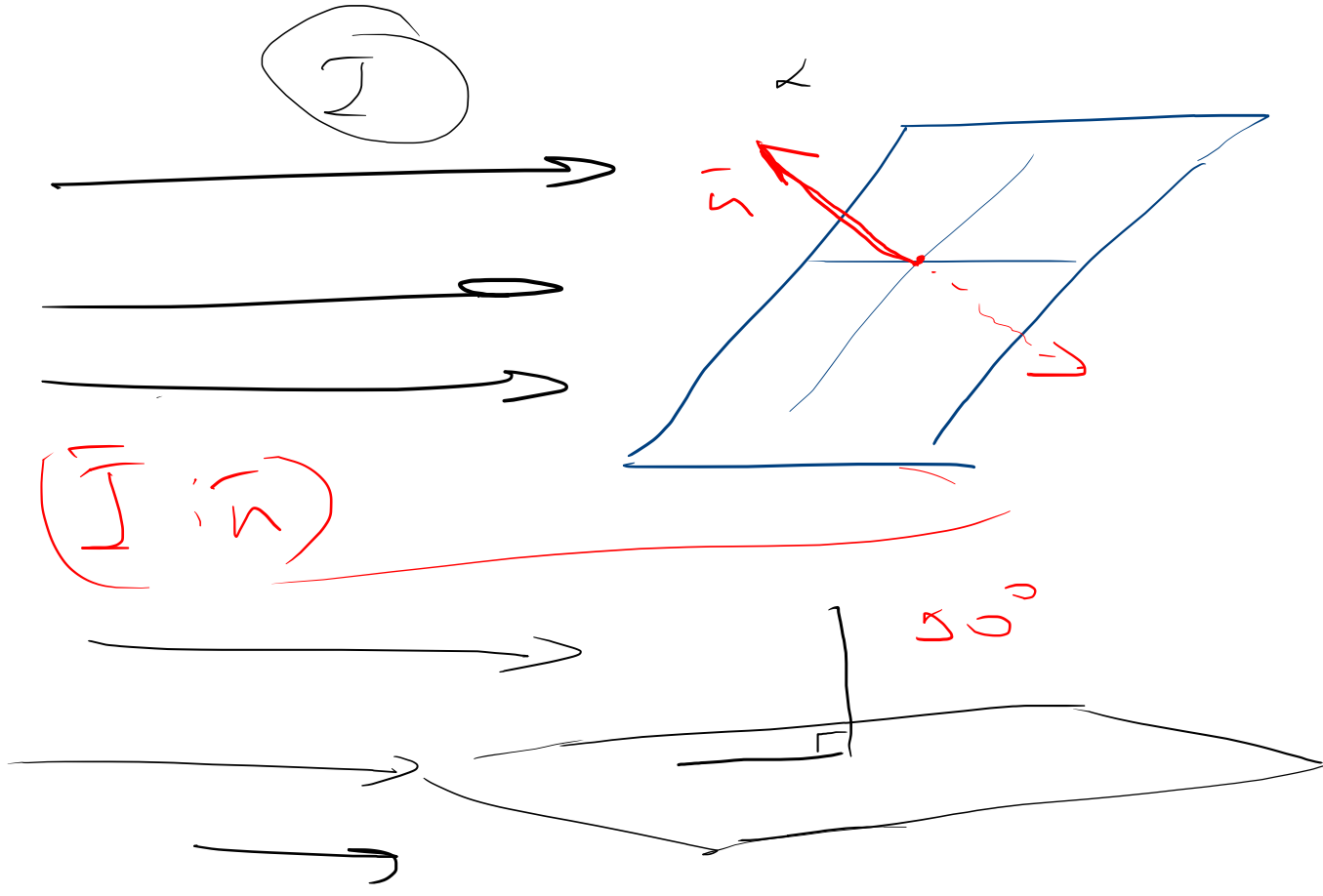
$$I(t) = C \frac{\partial u}{\partial t}.$$

$$\int_0^q I \, dt = \int C \, du$$

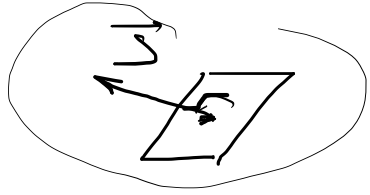
$$\mathcal{E} = -L \frac{\partial I}{\partial t}$$

Это самоиндукция.


$\vec{B}$

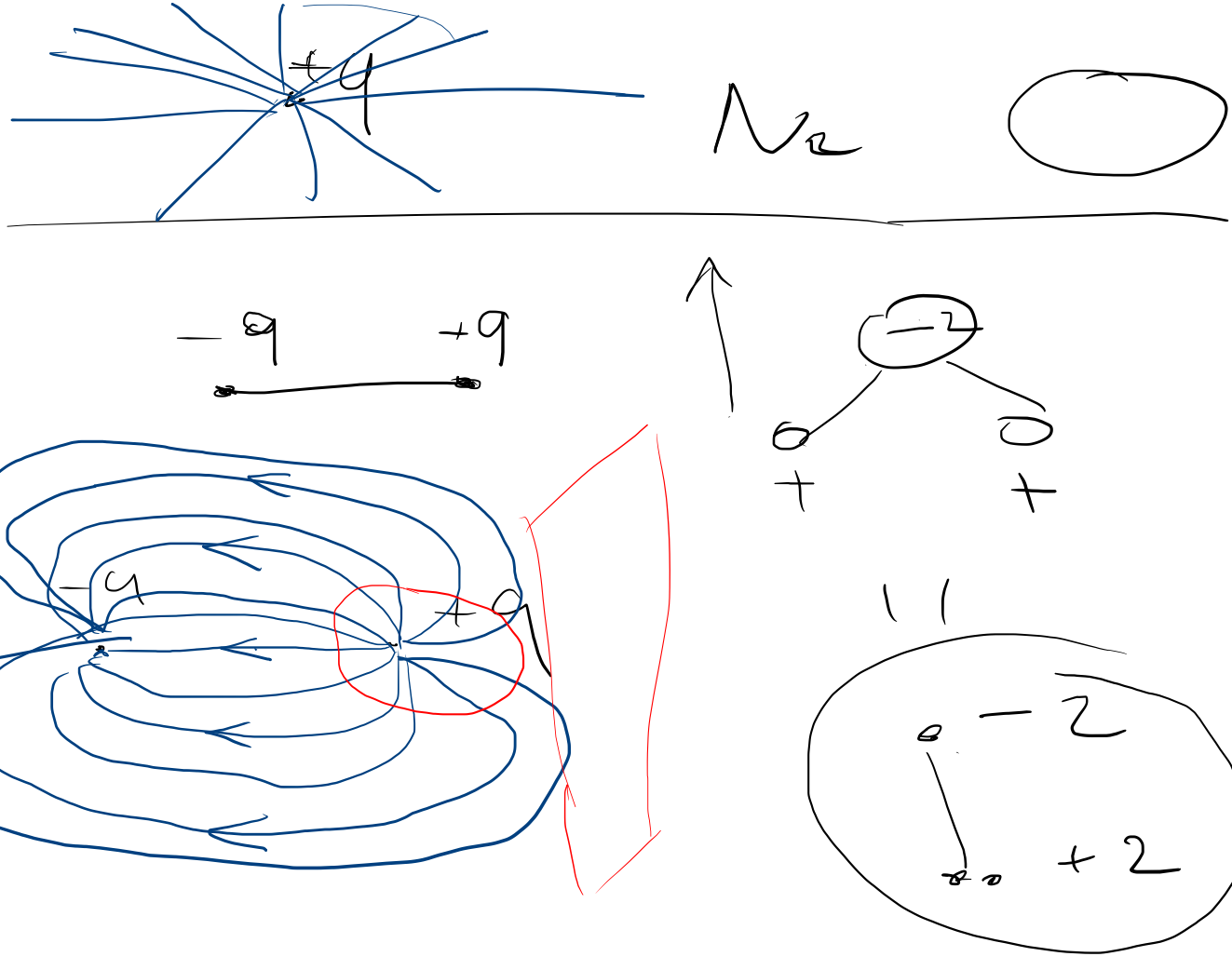

J
α
$\vec{n}$
$\vec{v}$
$(\vec{J} \cdot \vec{n})$
S_0

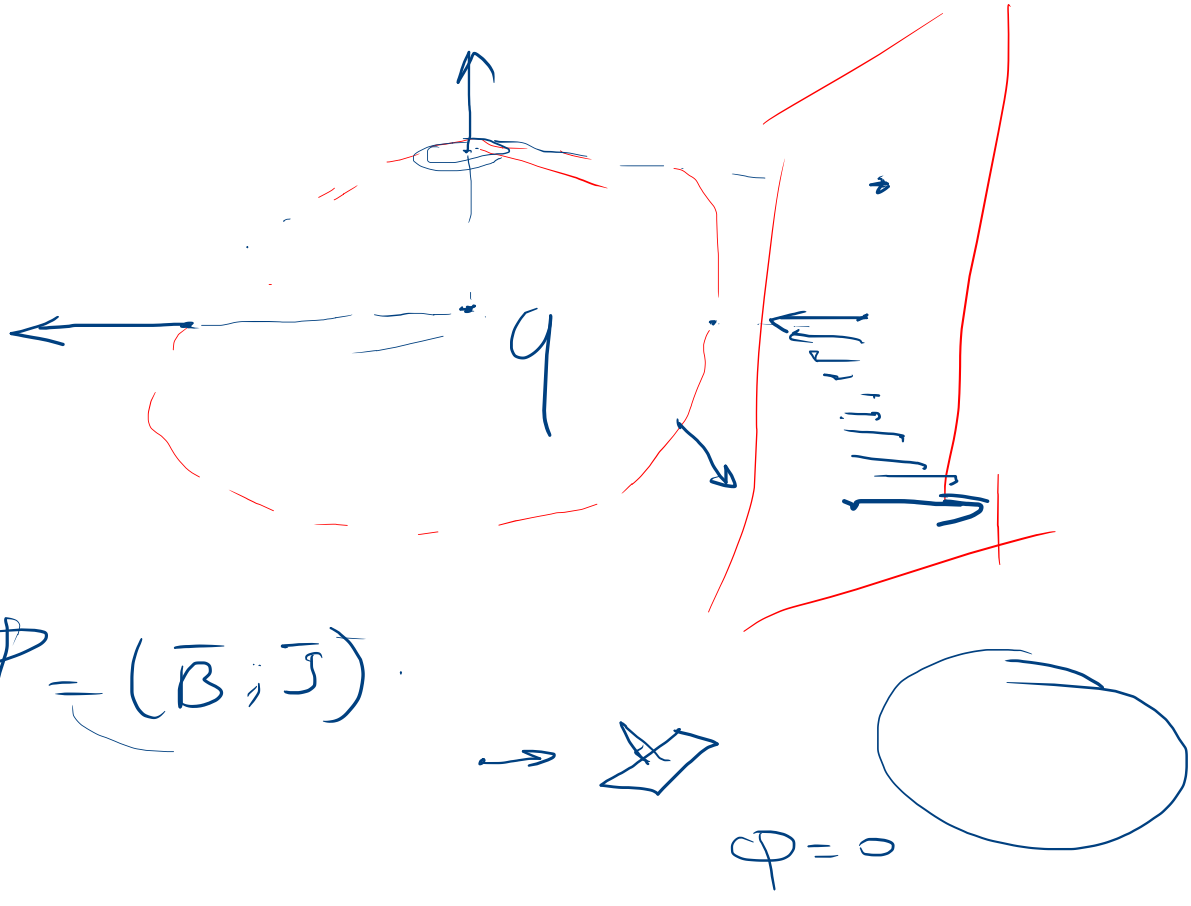
$$\Phi = \vec{B} \cdot \vec{S}$$



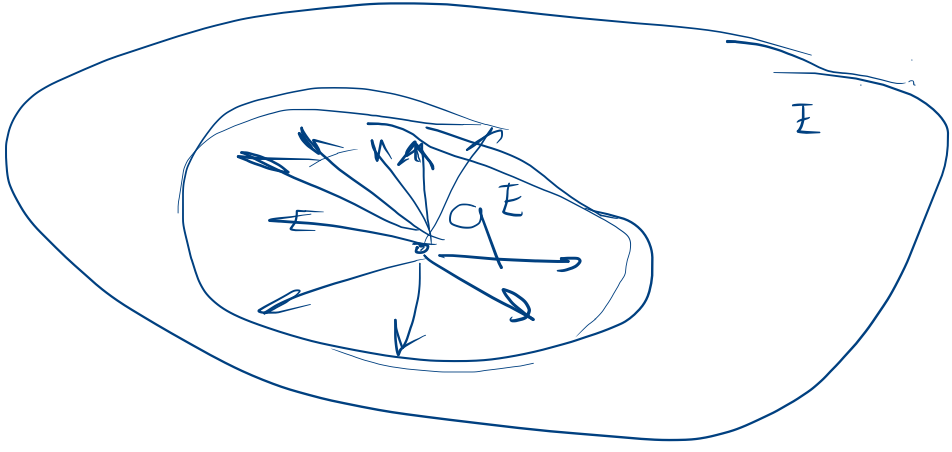
$$|S| = S$$

$$\vec{S} = \vec{n} \cdot |S|$$

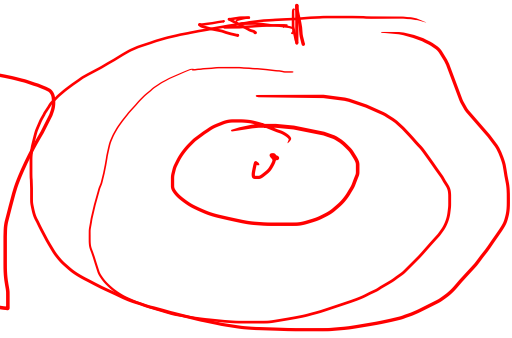

+q
Λ_2
−q
+q
−2
+
+
−q
+q
1 1
−2
+2

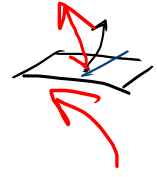

q
$\Phi = (\vec{B}; \vec{J})$
$\Phi = 0$

$$\Phi_E = (\vec{E} \cdot \vec{S}) = \frac{q}{\varepsilon_0}$$



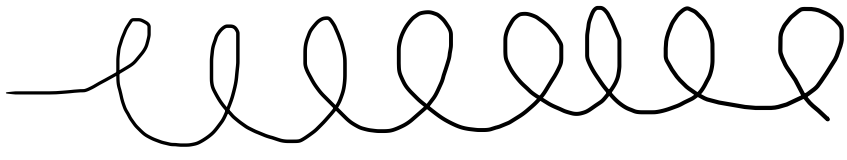
$$\Phi = N(BS)$$



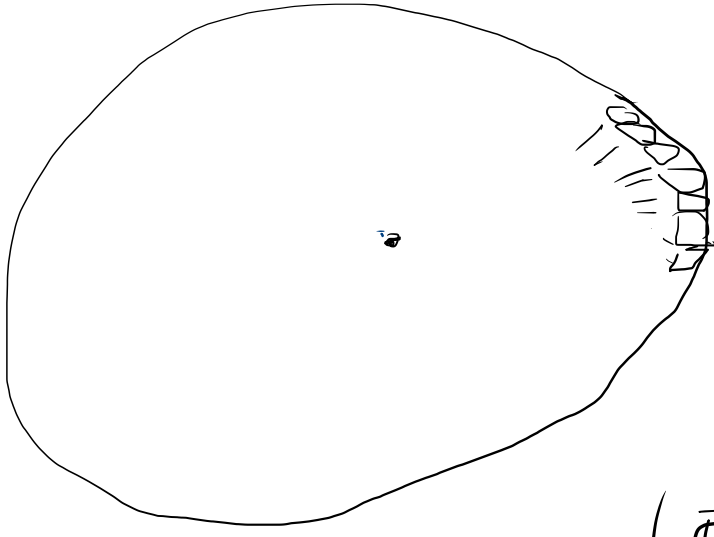


$$\Phi = N \cdot (B \cdot S)$$

N



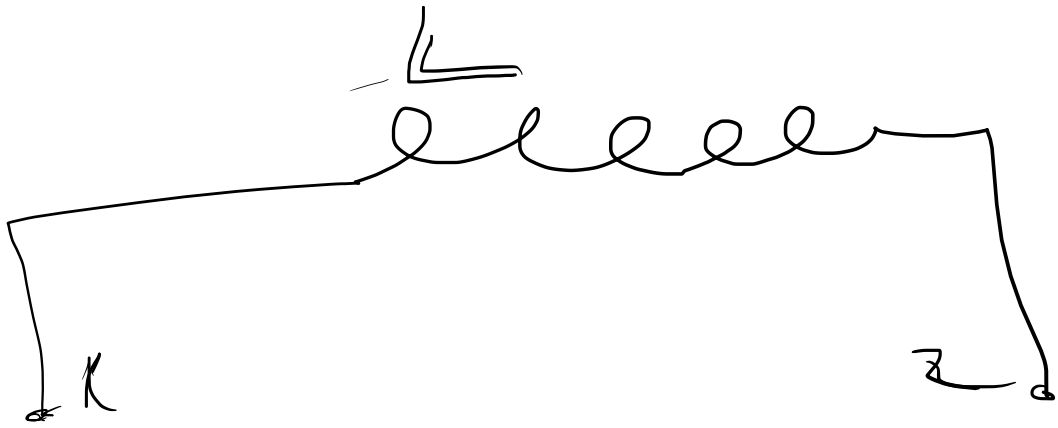
S



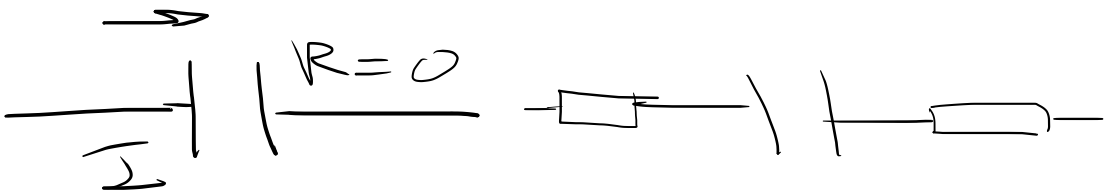
$$\Phi = 0$$

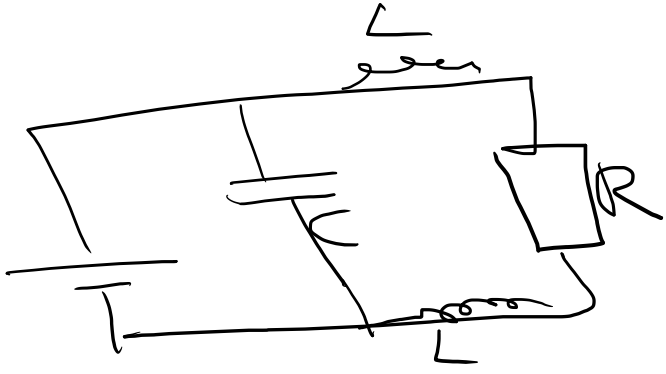
$$\int \vec{B} \, d\vec{S} = 0$$

$$(\vec{B} \cdot \vec{S})$$



$$R = 0$$


R=0
I


C
R