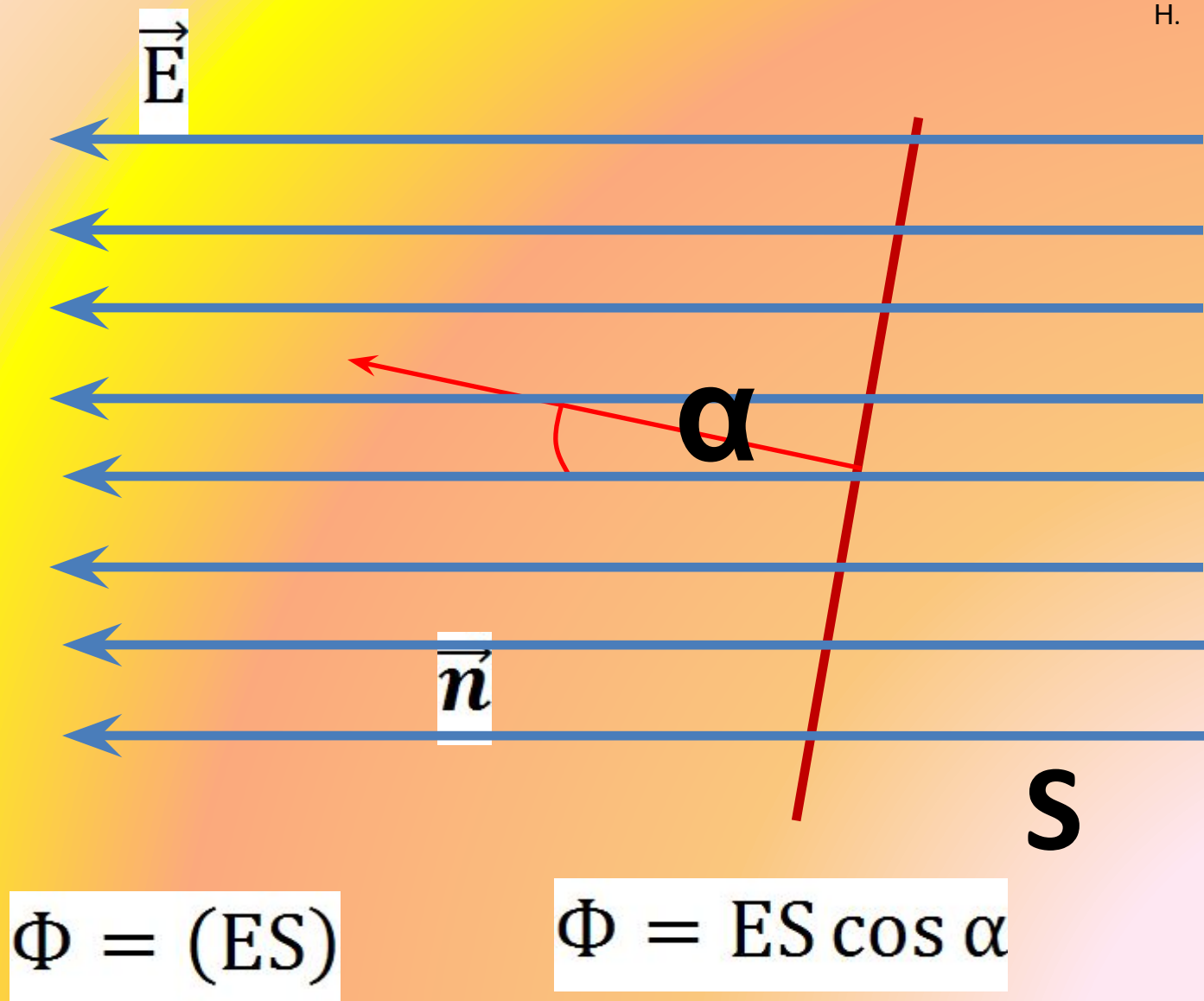
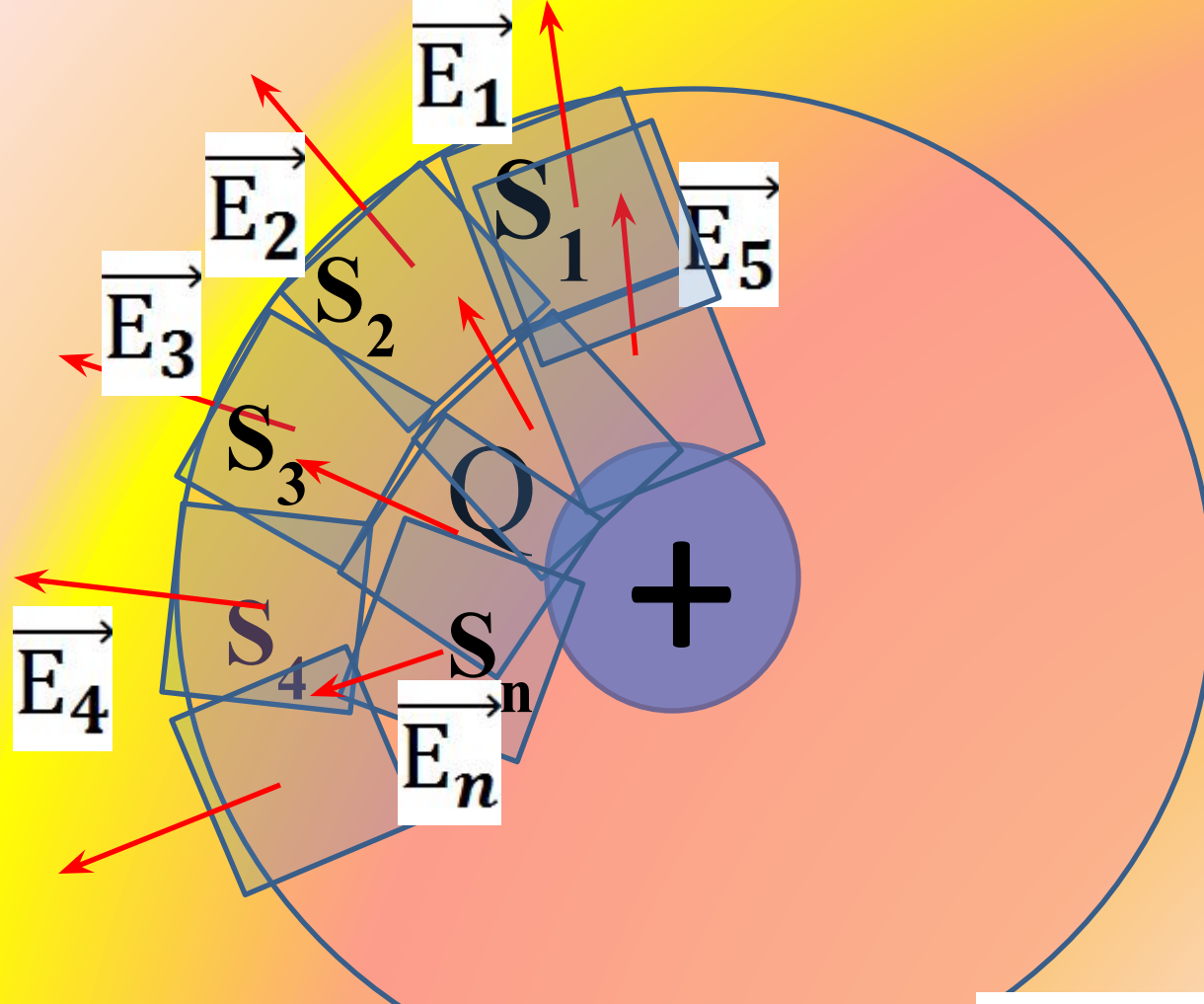


$$\Phi = (ES)$$

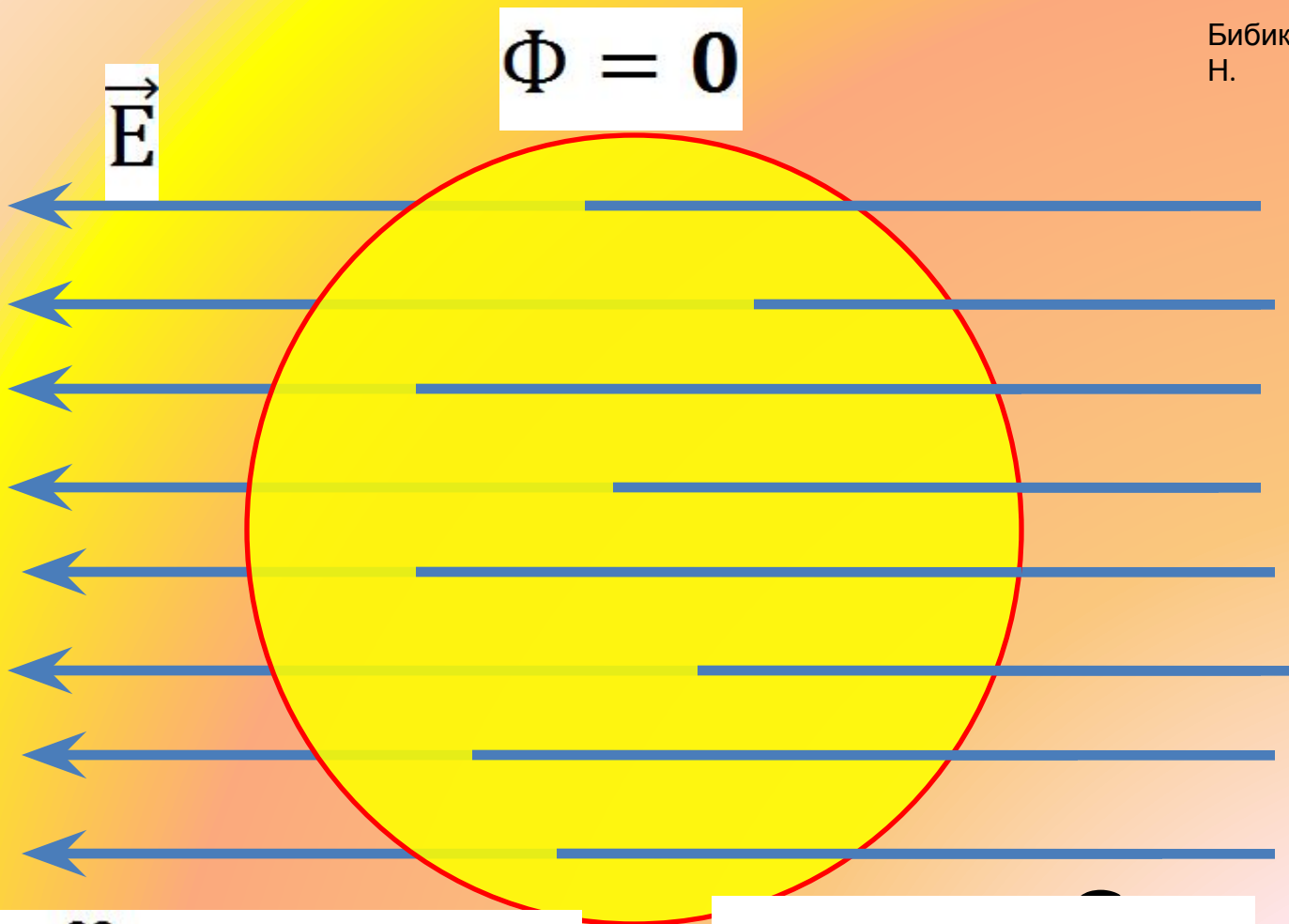
$$\Phi = ES \cos \alpha$$





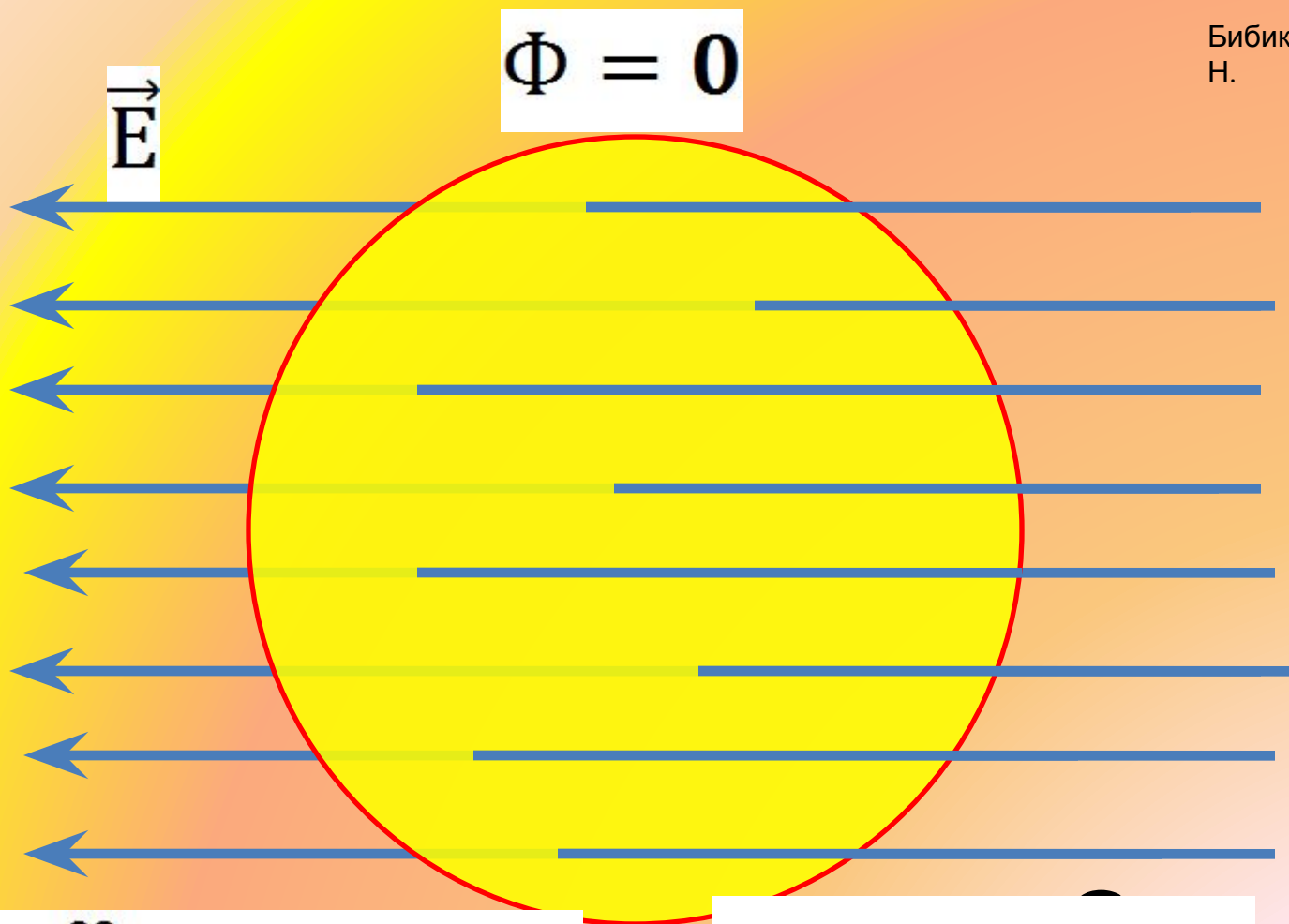
$$\Phi = \sum_{n=1}^{\infty} (\mathbf{E}_n)_n \cdot \Delta S_n$$

$$\Phi = \oint_S \mathbf{E}_n \cdot d\mathbf{S}$$



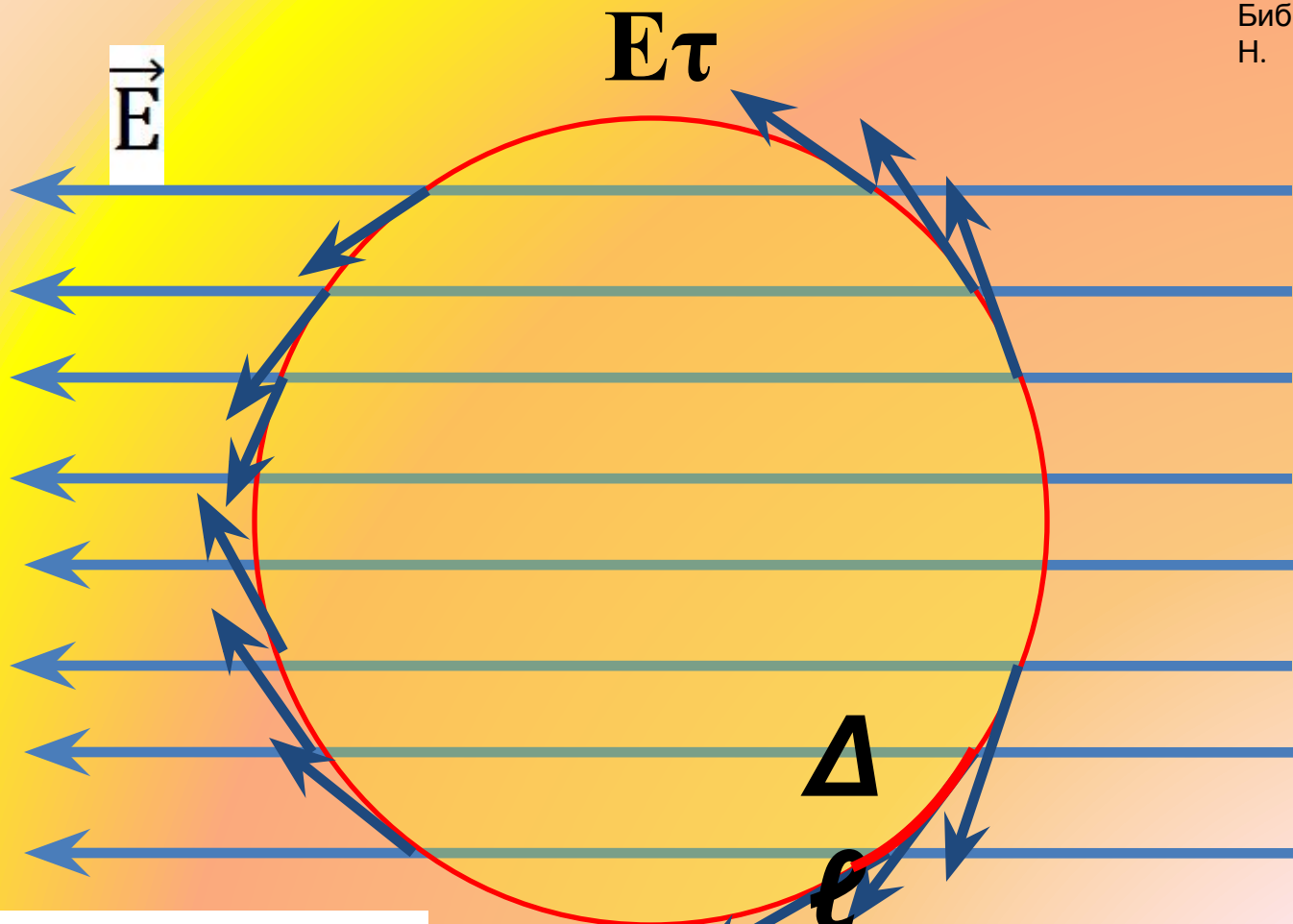
$$\Phi = \sum_{n=1}^{\infty} (\vec{E}_n)_n \cdot \Delta S_n$$

$$\Phi = \oint_S \vec{E}_n \cdot d\vec{S}$$



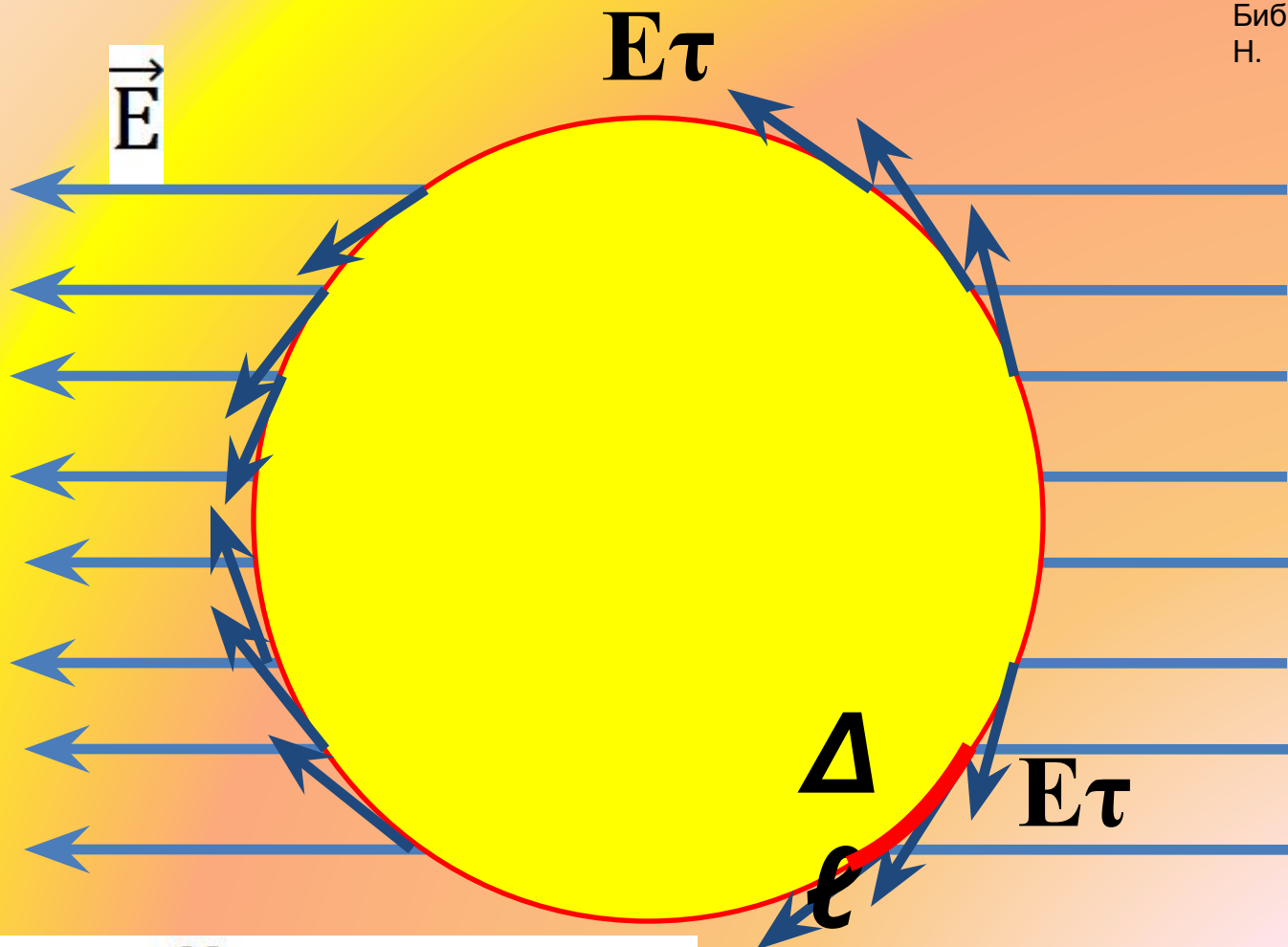
$$\Phi = \sum_{n=1}^{\infty} (\vec{E}_n)_n \cdot \Delta S_n$$

$$\Phi = \oint_S \vec{E}_n \cdot d\vec{S}$$



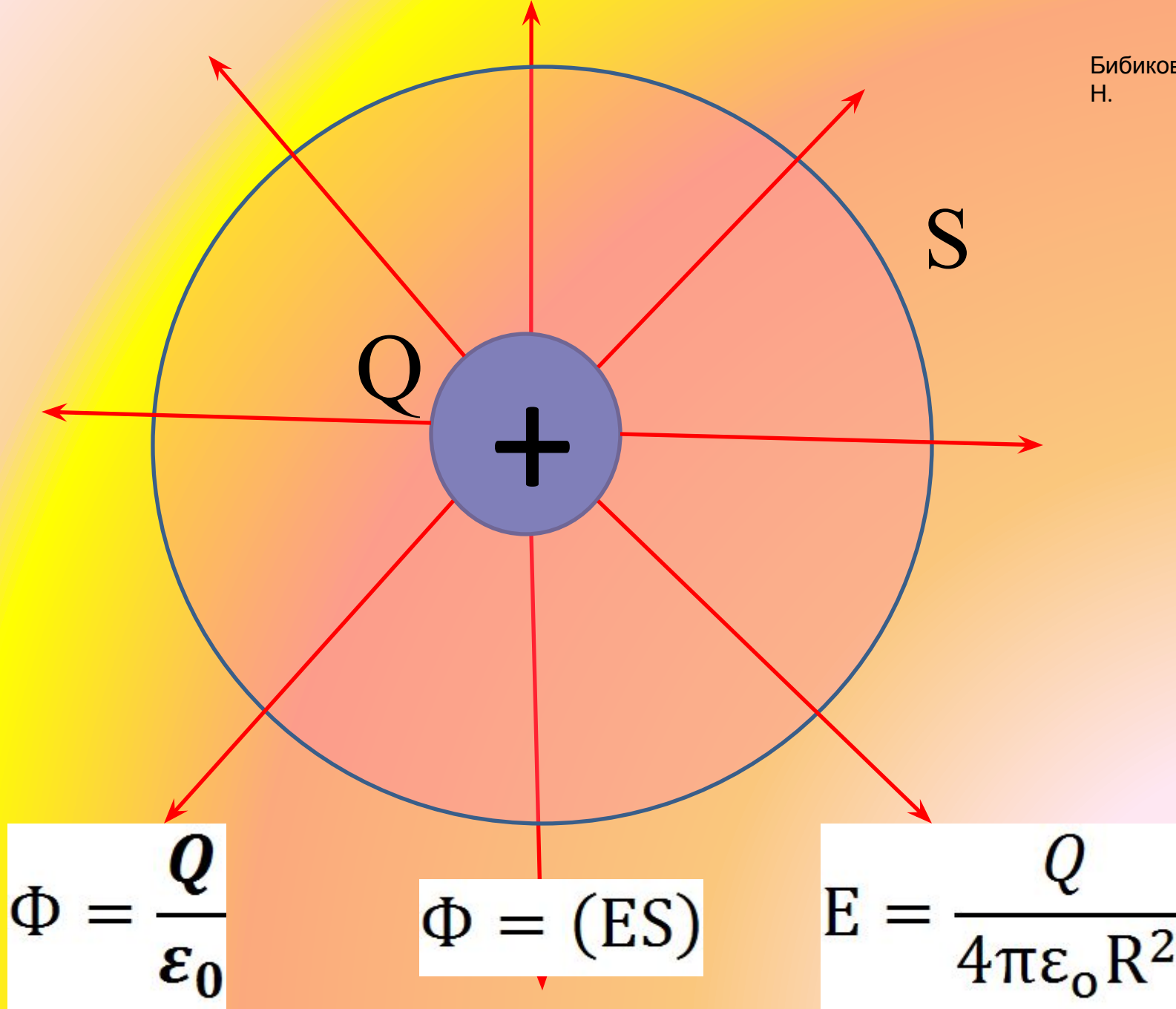
$$\Gamma = \oint_L \mathbf{E}_\tau \cdot d\ell$$

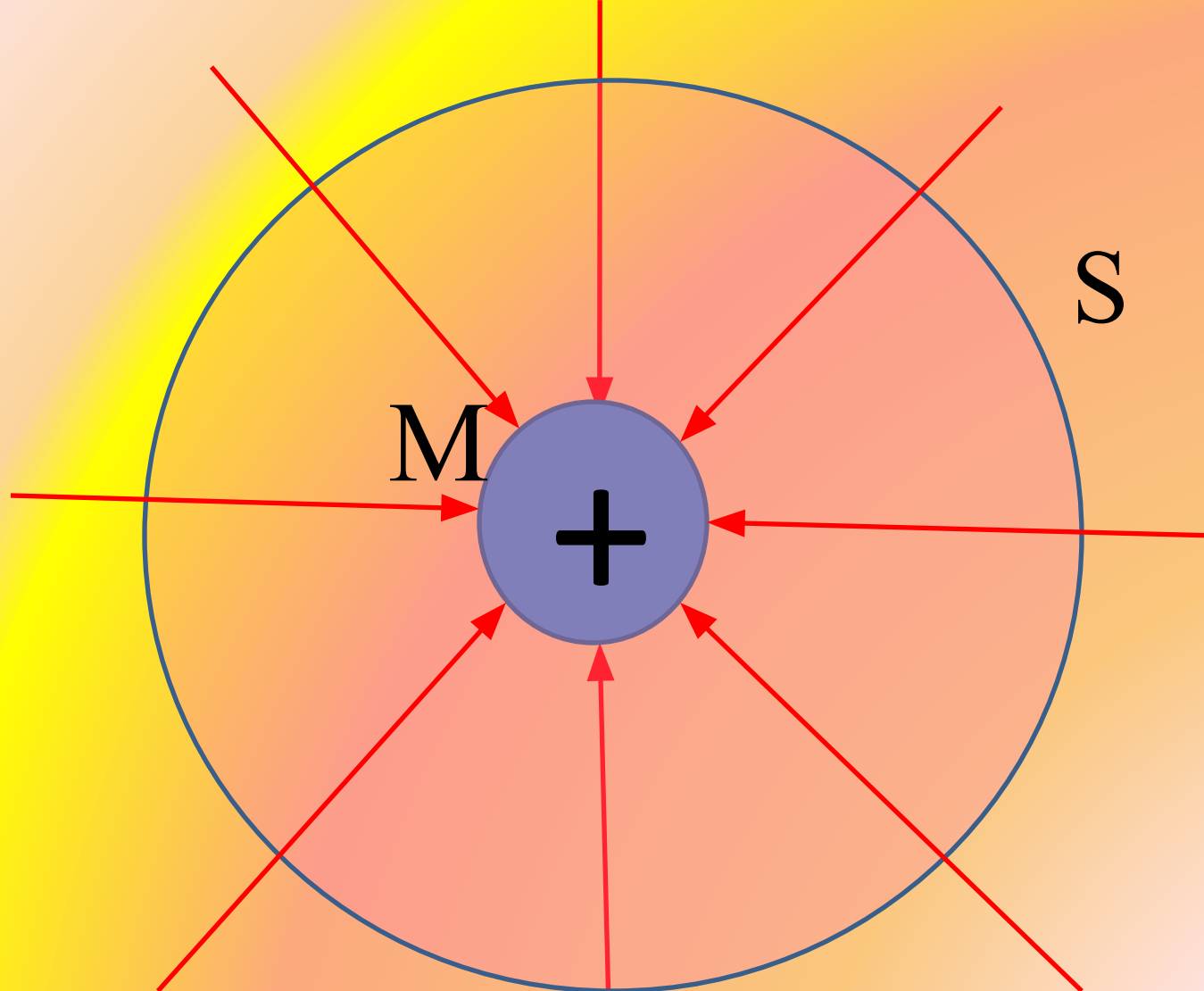
$$\Gamma = \sum_{n=1}^{\infty} (\mathbf{E}_\tau)_n \cdot \Delta \ell_n$$



$$\Gamma = \sum_{n=1}^{\infty} (E_{\tau})_n \cdot \Delta \ell_n$$

$$\Gamma = 0$$



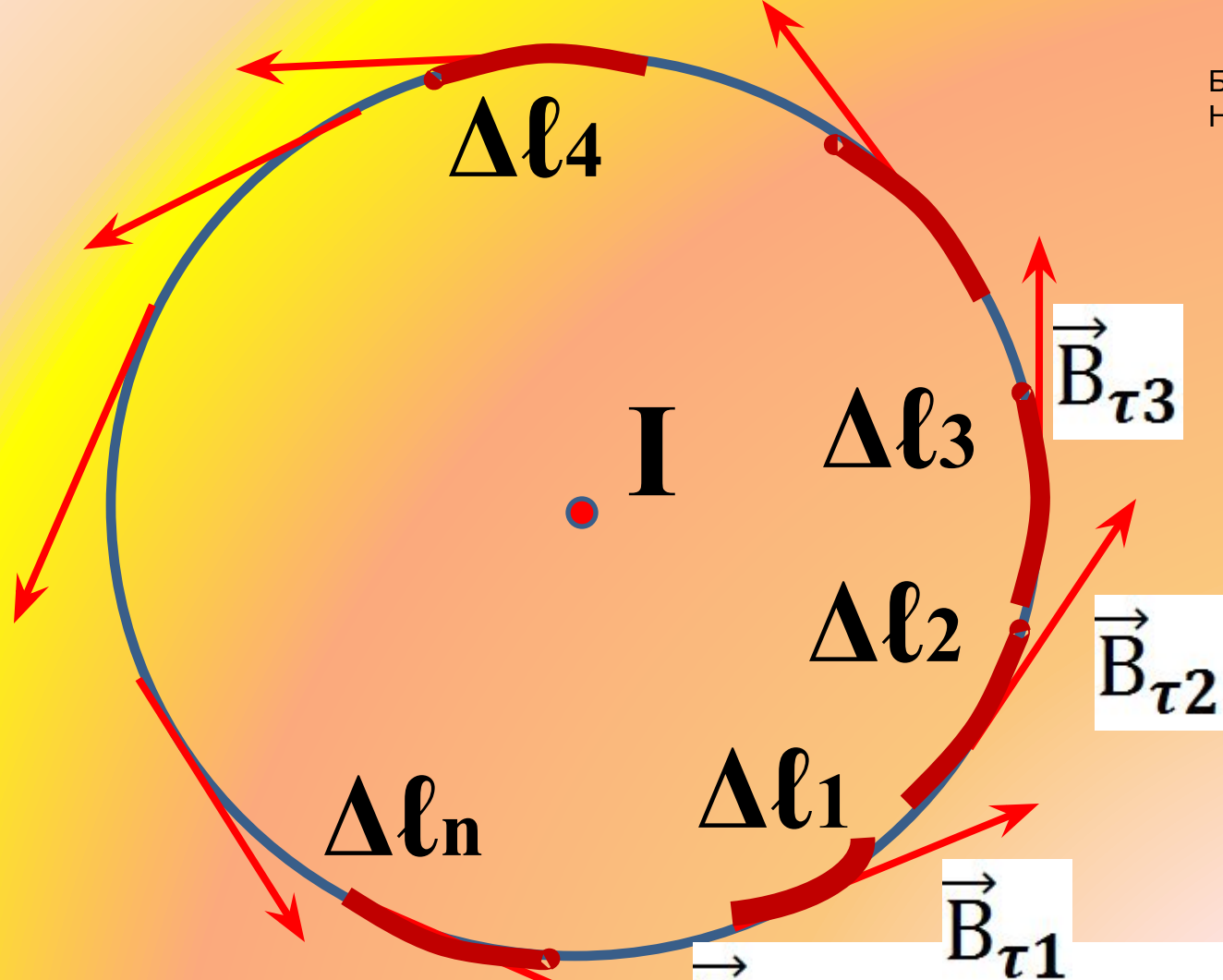


$$\Phi = \kappa M$$

$$\Phi = (GS)$$

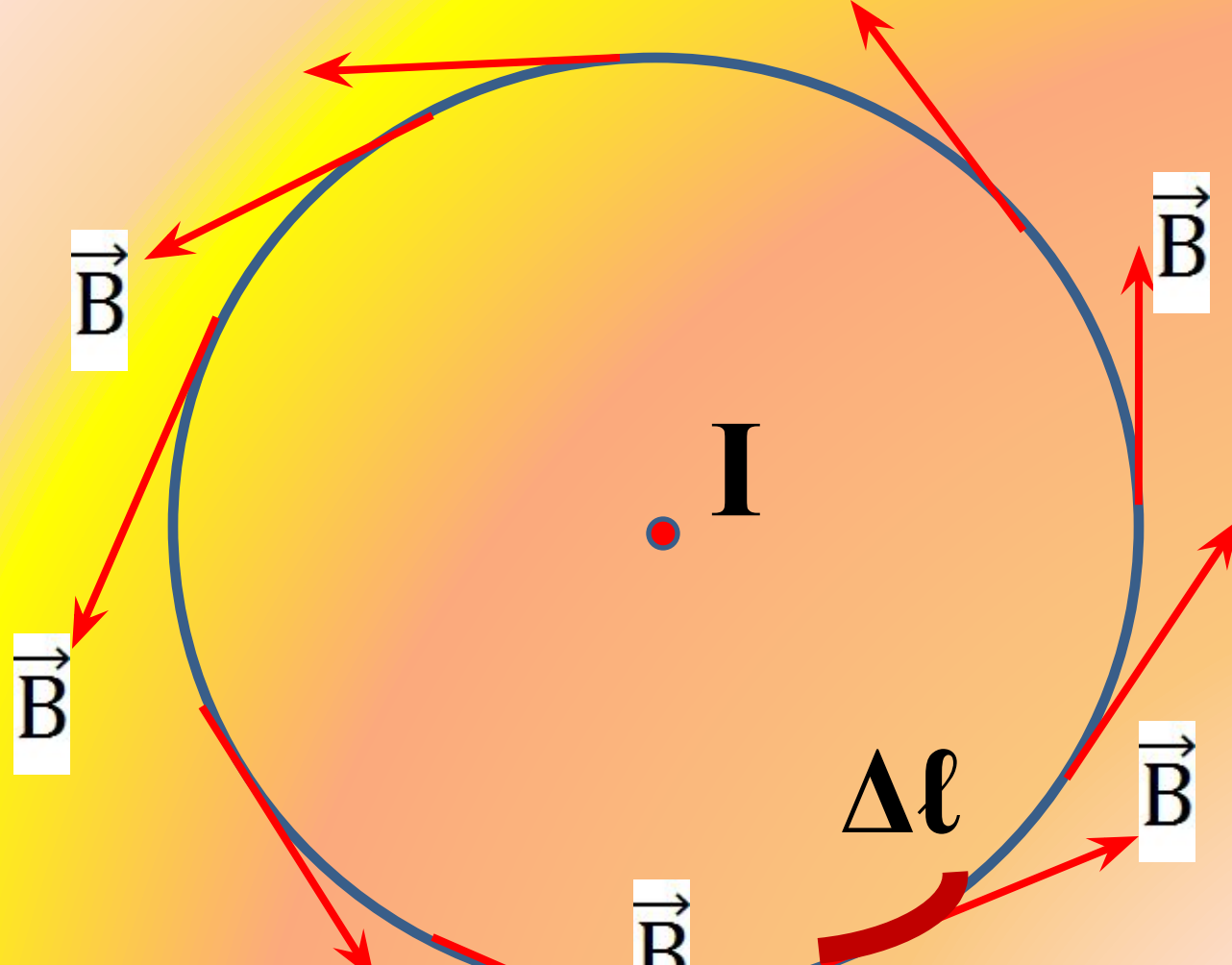
$$G = \frac{\kappa M}{4\pi R^2}$$

$$G = \gamma \frac{M}{R^2}$$



$$\Gamma = \sum_{n=1}^{\infty} (B_{\tau})_n \cdot \Delta \ell_n$$

$$\Gamma = \oint_L B_{\tau} \cdot d\ell$$



$$\Gamma = \oint_L \vec{B}_\tau \cdot d\vec{\ell} \quad \Gamma = B \cdot 2\pi R$$

$$\Gamma = \mu_0 I$$
$$B = \mu_0 \frac{I}{2\pi R}$$