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$$\vec{E} = \rho \cdot \vec{J} \quad / \quad d\ell$$

$$E \cdot d\ell = \rho \cdot d\ell \cdot \frac{dl}{dS}$$

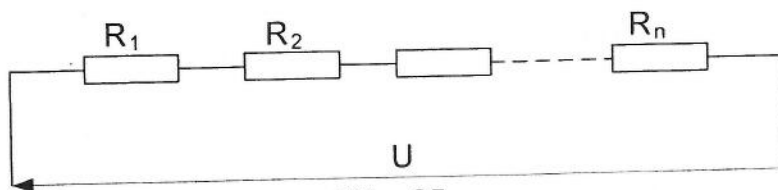
$$U = \rho \cdot \frac{d\ell}{dS} \cdot dl$$

$$dl = \frac{U}{\int \rho \cdot \frac{d\ell}{dS}} \quad \text{Omov zakon}$$

$\rho$  – se daje za sobnu temperaturu

$$\rho_T = \rho_0 \cdot [1 + \alpha(\theta - \theta_0) + \beta(\theta - \theta_0) + \dots]$$

### VEZIVANJE OTPORNIKA



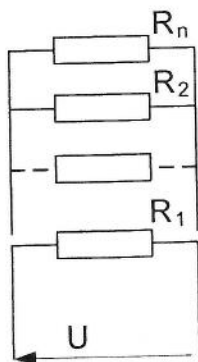
Slika 35

$$U = U_1 + U_2 + U_3 + \dots + U_n$$

$$R_{ekv} \cdot I = R_1 \cdot I + R_2 \cdot I + R_3 \cdot I + \dots + R_n \cdot I$$

$$R_{ekv} = R_1 + R_2 + R_3 + \dots + R_n$$

$$R_{ekv} = \sum_{i=1}^n R_i$$



Slika 36

$$\frac{U}{R_1} = I_1$$

$$\frac{U}{R_2} = I_2$$