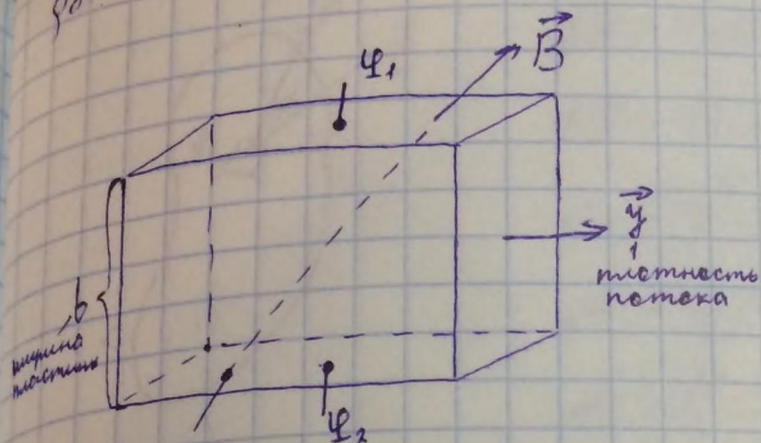


§8

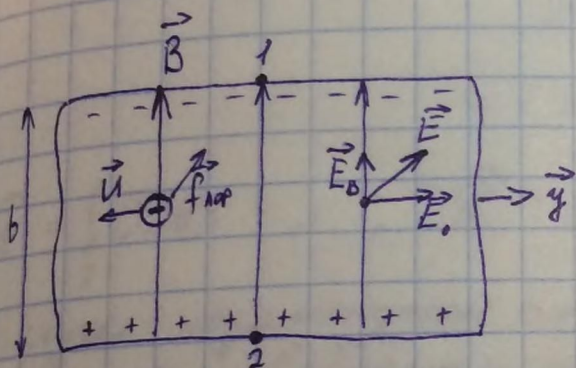
## Эффект Холла.



$$U_x = \varphi_1 - \varphi_2$$

$$U_x = R b j B$$

$R$  - коэф. для разных материалов



$$f_{\text{Лор}} = e U B$$

$$f = e E B$$

$$e E_{\perp} = e U B$$

$$E_{\perp} = U B$$

$$U_x = E_{\perp} b = U B b$$

$$j = \nu n e \Rightarrow \nu = \frac{j}{n e}$$

$$U_x = \frac{j}{n e} b B = \frac{1}{n e} j b B$$

$$R = \frac{1}{n e} \Rightarrow U_x = R b j B$$