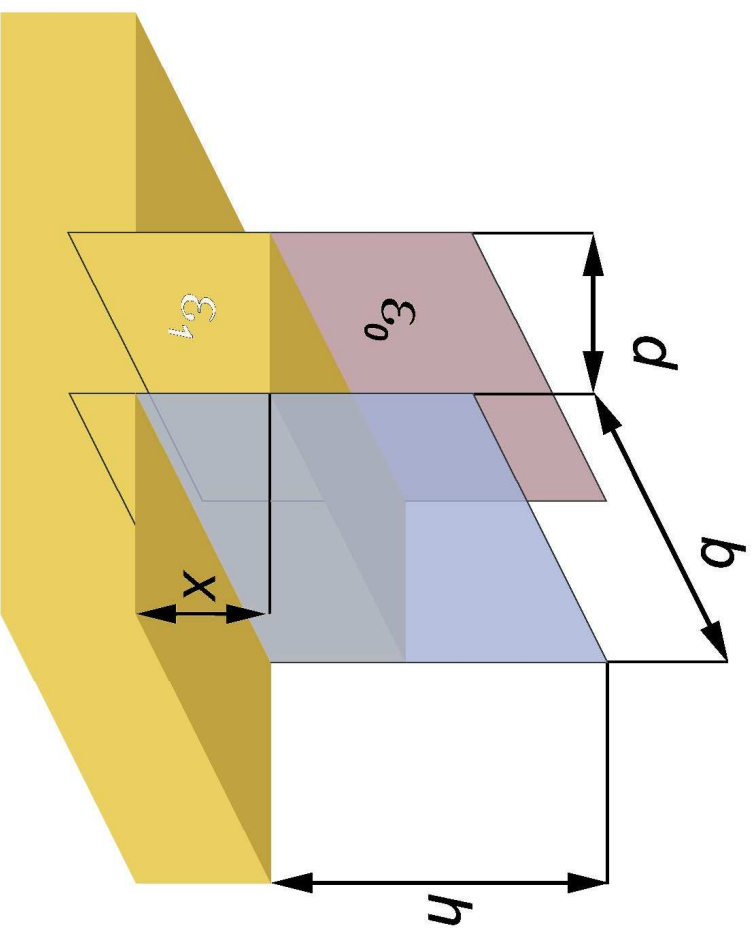


Kraft auf Trennflächen



$$F_{01} = \frac{U^2}{2} \frac{dC(x)}{dx} = \frac{U^2 b \epsilon_0}{2d} (\epsilon_r - 1)$$

$$F_{01} = \frac{1}{2} \cdot U^2 \cdot \frac{dC(x)}{dx}$$

$$F_g = m \cdot g = \rho \cdot V \cdot (x) \cdot g$$

$$F_g = \rho \cdot b \cdot d \cdot x \cdot g$$

$$F_{01} = \frac{1}{2} \cdot U^2 \cdot \frac{b \epsilon}{d} \cdot (\epsilon - 1)$$