

$$E = \frac{U_c}{d}$$

$$E = \frac{R_2 \cdot \frac{\varepsilon}{R_1 + R_2 + r_w}}{d} = \frac{R_2 \cdot \varepsilon}{d (R_1 + R_2 + r_w)}$$

$$E = \frac{39,7 \, \Omega \cdot 9 \, V}{6 \cdot 10^{-3} \, m (19,9 \, \Omega + 39,7 \, \Omega + 0,4 \, \Omega)} = \frac{357,3 \, \Omega \cdot V}{6 \cdot 10^{-3} \, m \cdot 60 \, \Omega} \approx$$

$$\approx \frac{360 \, \Omega \cdot V}{360 \cdot 10^{-3} \, m \cdot \Omega} \approx 10^3 \frac{V}{m} = 1000 \frac{V}{m}$$