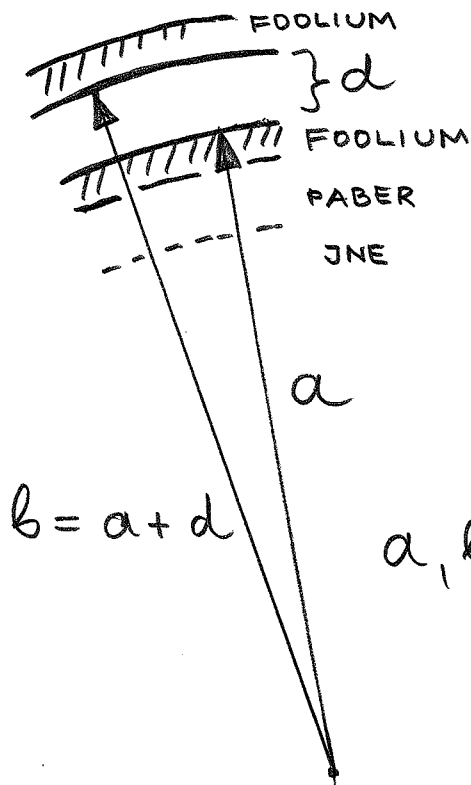
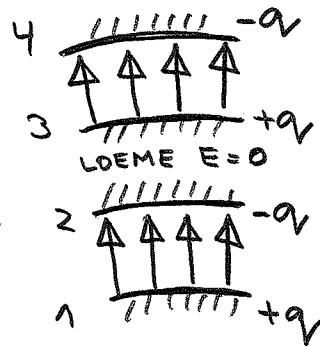


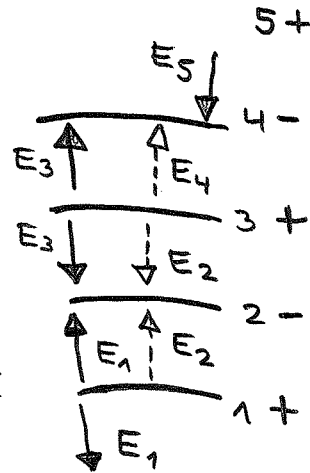
PABERKONDENSAATOR (RULLI KEERATUD)



ÕHUKE KIHT (PABER)



SAMAVÄÄRNE



$$C = \frac{2\pi \epsilon_0 \epsilon L}{\ln \frac{a+d}{a}} = \frac{2\pi \epsilon_0 \epsilon L}{\ln \left(1 + \frac{d}{a}\right)} \approx \frac{2\pi \epsilon_0 \epsilon L}{\frac{d}{a}} \quad \text{if } \frac{d}{a} \ll 1$$

$$\ln(1+x) \approx x \quad \text{if } x \ll 1$$

SEST

$$e^x = 1 + x + \frac{x^2}{2!} + \frac{x^3}{3!} + \dots$$

EI ARVESTA..

SILINDRI KÜLGEPINDALA $\rightarrow S$

$$C = \frac{2\pi a \cdot L \epsilon_0 \epsilon}{d} = \frac{\epsilon_0 \epsilon S}{d}$$

PLAAT-KONDENSAATOR