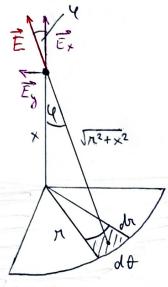
Indenzisa elektristeho fole nad neroneinon deston (kladne natistan) => flomá hustota nathoje na desce = 5



- dity vestororé porare É se slorty Ég vrajemné ryrusi $dE_{x} = dE \cdot \cos \theta$; $dE = k \cdot \frac{dQ}{r^{2} + x^{2}}$; $\cos \theta = \frac{x}{\sqrt{n^{2} + x^{2}}}$ $dE_{x} = 2 \cdot \frac{dQ}{\pi^{2} + x^{2}} \cdot \frac{x}{\sqrt{\pi^{2} + x^{2}}} \quad dQ = \sigma \cdot dS = \sigma \cdot r dr d\theta$ $dE_{x} = \frac{kx}{(\sqrt{n^{2}+x^{2}})^{3}}$ Grand = $ko \cdot \frac{xr}{(\sqrt{n^{2}+x^{2}})^{3}}$ and $d\theta$

 $\Rightarrow E_{x} = 20 \iint_{C} \frac{x \pi}{(\sqrt{n^{2}+x^{2}})^{3}} dr d\theta$

$$= \sum_{k=1}^{2\pi} \sum$$

=> Intensita elebristeho jole nad nekonečnou destou o plošne hustoli naboje o je neravisla na vrdaknosti od desty, soto pole je sudix homogenne, a její velikost je primo rimirna' plošne' hustole na'boje.

$$E = \frac{6}{1E}$$

* (desta je neronečna, sakre referencim bod bre BÚNO umiskil de poéasken somslavy sowiadnic)