My name is Mike Gentile. (yai can call me "Mike") Mgentile Ophysics. rutgers. edu Physics 194 - Lecture 5

Have a question during class? Please ask it right away, even, f it means interrupting in the middle of a thought. I want you to!

Agenda

- Electric potential energy
- The electric potential field
- Intro to electric circuits









Foriginal question : Determine up when Elifere it passes through 0.2 m from the kuquwikuq officience $0 + U_{q,i} + 0 = k_{f} + U_{q,f}$ $K \frac{d^2 d^2}{L!} = \frac{1}{2} W^2 h^2 + k \frac{l^2}{d^2 d^2}$ K Ma Ka $k \delta^{2} \delta^{c} \left(\frac{L!}{l} - \frac{L!}{l} \right) = \frac{5}{l} w^{c} h^{t}$ $\int \frac{w^{c}}{5 \kappa \delta^{2} \delta^{c}} \left(\frac{1}{L^{2}} - \frac{1}{L^{2}} \right) = \lambda t$



1) Positie charges create regions of high potential (V) Negative charges in 100 100 2) Positiety charged objects accelerate towards lower potential regions. Negaticly charged objects accelerate towards higher potential regions.



