#flo

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1 | The cat, and Mary

seperation is one meter and charge is +/- one coulomb, the force is around 9 bil newtons cat woudnt feel great…

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why use this ungodly amount to define a coulomb?
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open question

F=kq1q1/r^2 F>0 like charges F<0 opposite charges

equations gives you a scalar, not directions. tells you if they attract or repel

electrons inside a conductor slosh around like a fluid

2 | If the charges on a conductor are stationary or static

electrons try to reach equilibrium for them to be still, there must be no forces -> no e-field

3 | electric fields

- are perpendicular to the surface, and ”skin deep”
  - charge is zero when u go in
    - except when charge is flowing

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if charges are moving, all bets are off
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fields curve near the end when fields on top arnt there to cancel

treat parrelel planes as infinite

4 | the pufferfish

gauss, the second. gauss, the first, is in a drawer at lick

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when your're dead you don't need friends
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