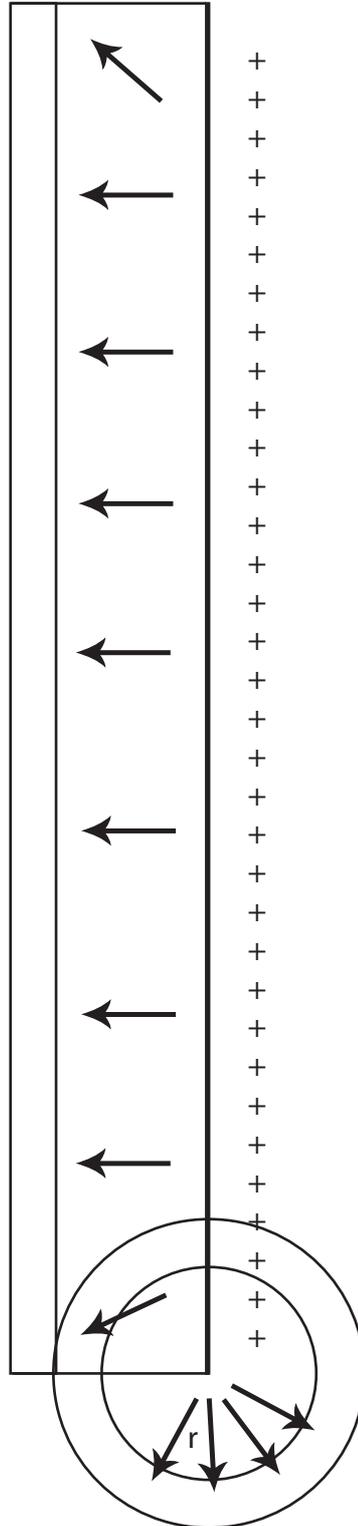


Diaphragm charged at e.g. 500 volts

Stator at 0V when not playing music. When playing the stator is fed a +/- signal



Surface area grows by the square due to sphere shape of the electric field

$$\text{Surface area} = 4 \cdot \pi \cdot r^2$$