Loops and Orbits - Homework 3 - Capacitor The equation charge charge $V_0 = IR + E_{eq}$ capacitance Ocsupply resistance was turned into a model the computer can handle as follows: $V_0 = \frac{Q_{i+1} - Q_i}{t_{i+1} - t_i} R + \frac{Q_i}{C}$ Rearrance $Q_{i+1} = Q_i + \frac{t_{i+1} - t_i}{R} \left(V_0 - \frac{Q_i}{C} \right)$ So that tells you how to get charge after from charge before This is an easy model but a hard homework because for the first time I want you to produce the notebook on your own. You are welcome to borrow code from any of our other notebooks. At the end of your notebook should be a graph of as a function of time

Turn in that graph by 2pm on

Friday as your completed homework.