9. Experiment (15 pts)

The idea: take readings of discharge current, as a function of time. The surface area under the graph is the outflown charge Q. Taking the readings of voltage U_0 and U_1 at the beginning and at the end of discharge, we obtain $Q/C = U_0 - U_1$, i.e. $C = Q/(U_0 - U_1)$. As for V-I characteristic, interrupt from time to time discharge, take reading of discharge current I just before interruption, measure voltage U, and continue discharging. Collect enough data to draw V-I characteristic.