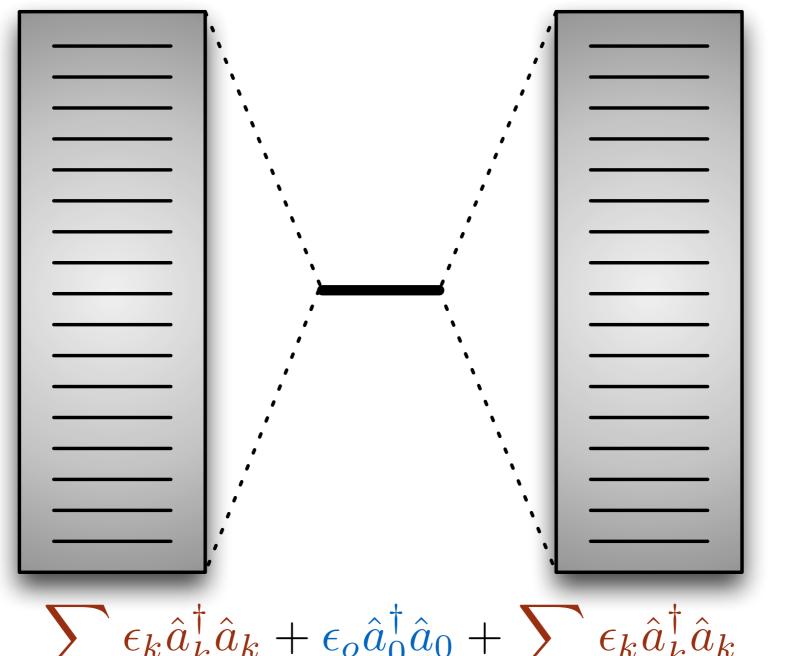


Left electrode

Right electrode

Quantum dot ("wire")

Landauer Model



$$\sum_{k \in L} \epsilon_k \hat{a}_k^{\dagger} \hat{a}_k + \epsilon_o \hat{a}_0^{\dagger} \hat{a}_0 + \sum_{k \in R} \epsilon_k \hat{a}_k^{\dagger} \hat{a}_k$$
$$+ \sum_{k \in L} t_k \left(\hat{a}_k^{\dagger} \hat{a}_0 + \hat{a}_0^{\dagger} \hat{a}_k \right) + \sum_{k \in R} t_k \left(\hat{a}_k^{\dagger} \hat{a}_0 + \hat{a}_0^{\dagger} \hat{a}_k \right)$$