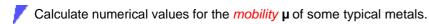
Exercise 2.1-1

Derive and discuss numbers for $\boldsymbol{\mu}$ and \boldsymbol{v}_D



- Take typical (metal) values for specific conductivity σ and concentrations of electrons n and then calculate typical numbers for the mobility μ do not take the values from the table!
- Consider typical field strengths for metals by picking suitable current densities, and then derive typical values for the drift velocity v_D.



Solution