Exercise 1.3-1

Derive and Discuss numbers for μ

- Calculate numerical values for the *mobility* **μ** of some typical metals.
  - 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! I you do not understand the German link, use this one.
  - Consider typical field strengths for metals by picking suitable current densities, and then derive typical values for the *drift velocity* $\mathbf{v_D}$.

Solution