

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! If 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* v_D .



Solution