

Exercise 2.1-1

Derive and discuss numbers for μ and v_D

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!
- Consider typical field strengths for metals by picking suitable current densities, and then derive typical values for the *drift velocity* v_D .



Solution