Exercise 5.1.2-1

Take the equation for a forwardly biased (symmetric) **pn**-junction (neglect the generation term from the space charge region and the **- 1** term) and then:

- Calculate the areal density of injected carriers injected into the **SCR** for **Si** and **GaAs** from the current density for some relevant values of N_{dop}, L and τ
- Calculate the space density by using the matching values of the **SCR** width.

No solution given here. Do it yourself