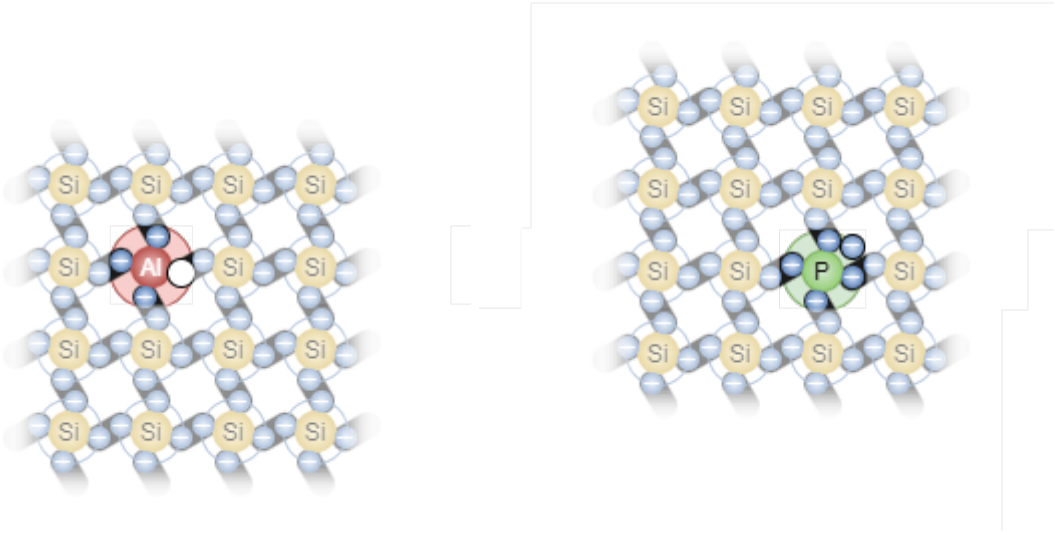
2 Diodes and Transistors

Student Group

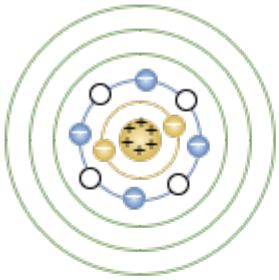
First Name	Surname	Matrikel Nr.

Table of Contents

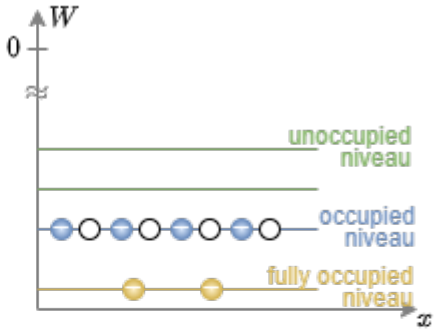


Bohr atomic model

1a

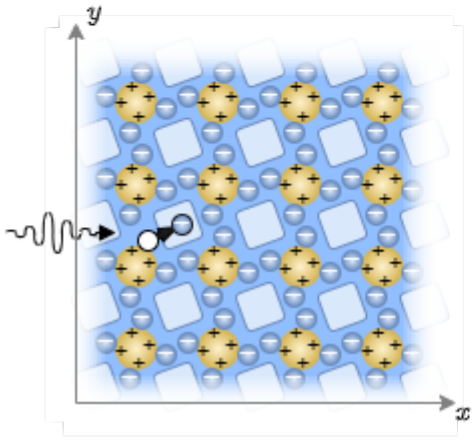


1b

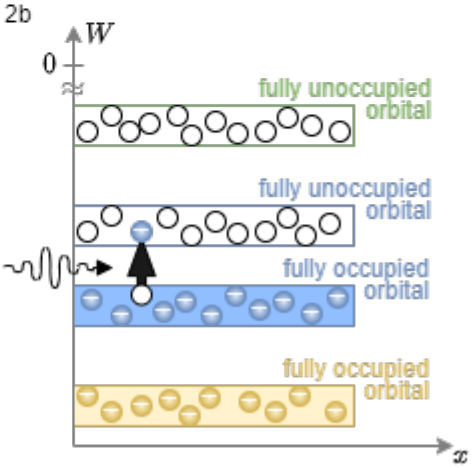


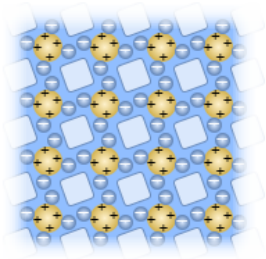
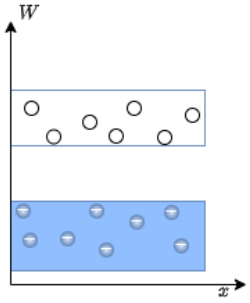
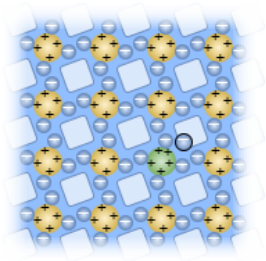
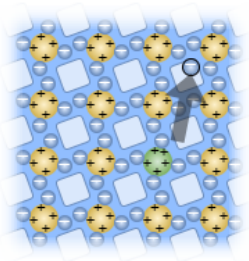
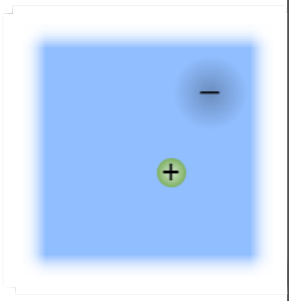
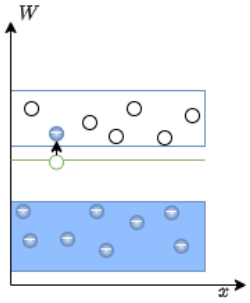
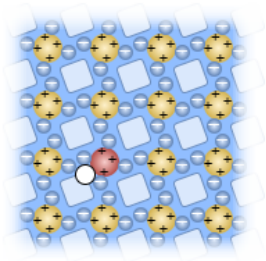
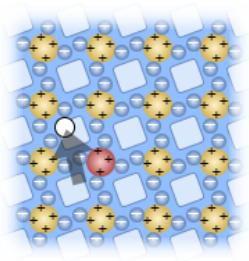
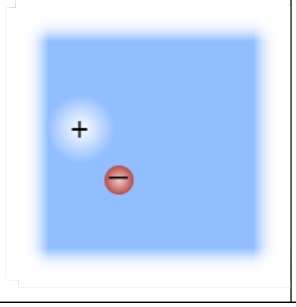
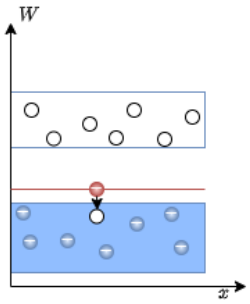
Band model

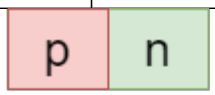
2a

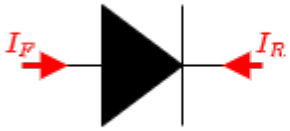


2b

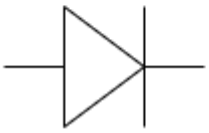


	a)	b)	c)	d)
1. Intrinsic				
2. n-Doped				
3. p-Doped				

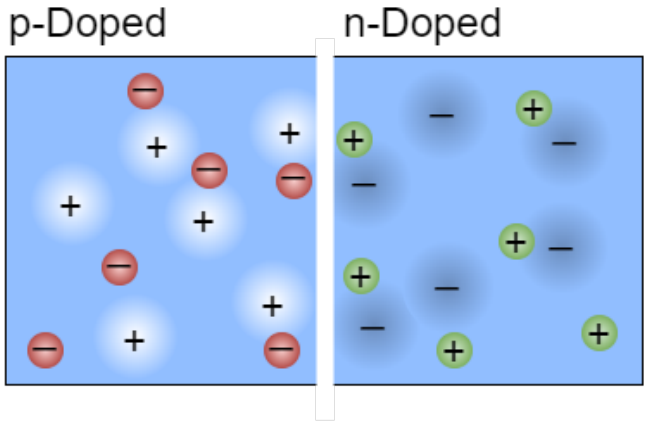


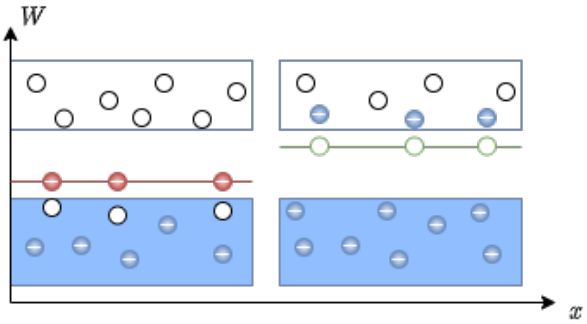


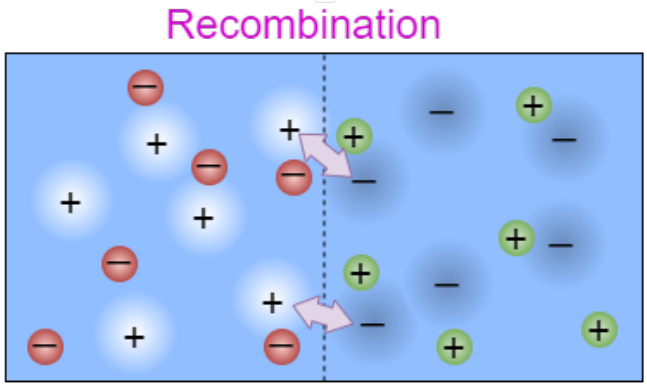
IEEE

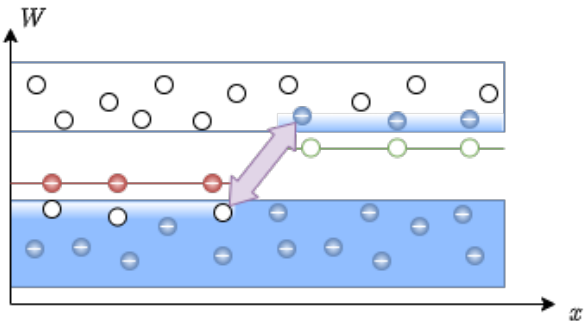


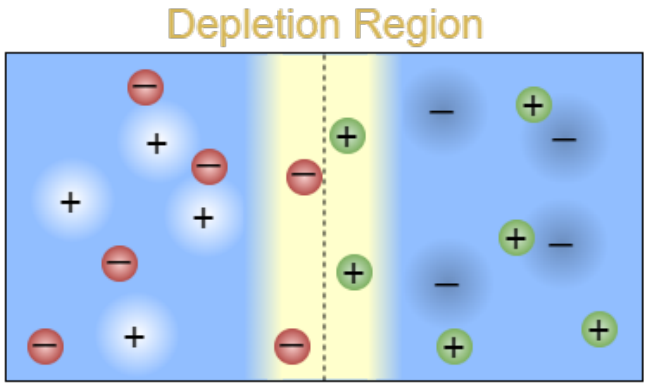
DIN/EN

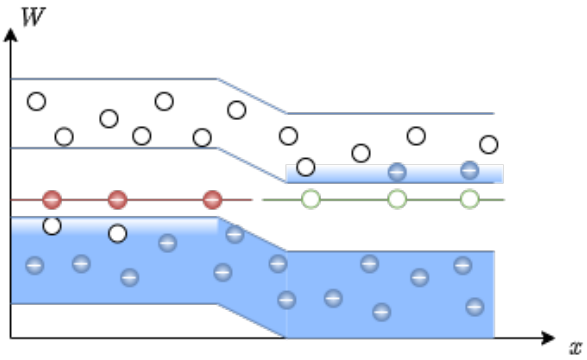

p-Doped
n-Doped


W
x

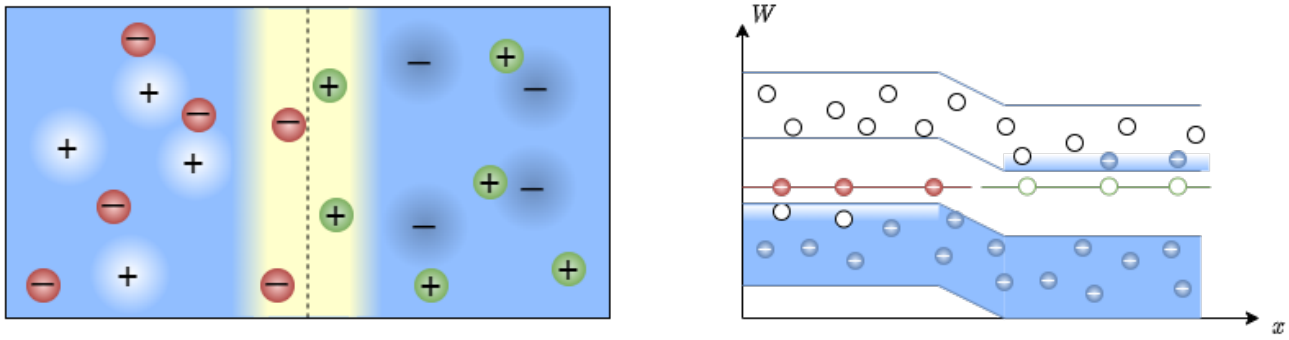

Recombination


W
x

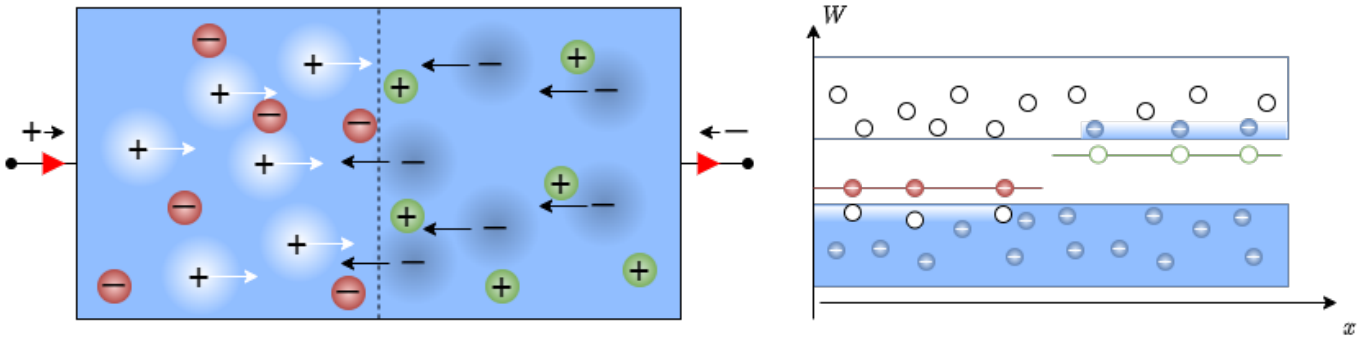

Depletion Region


W
x

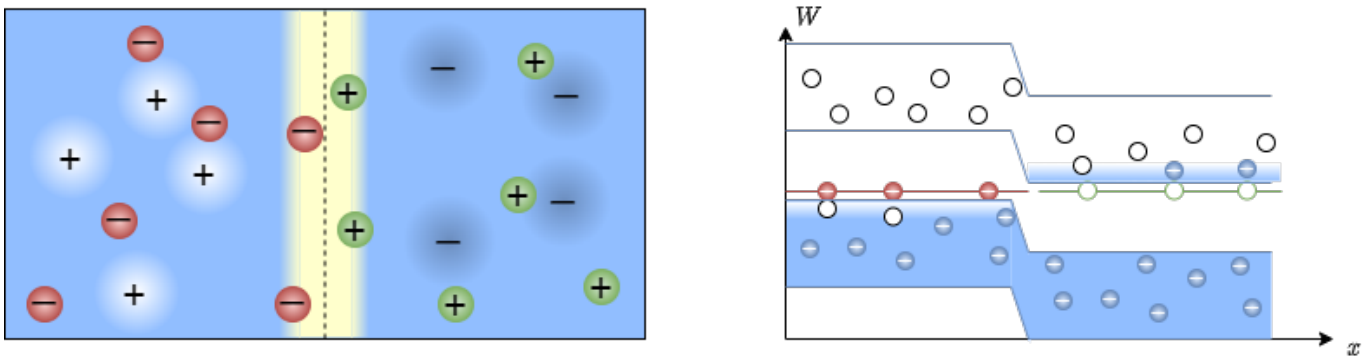
without external Voltage

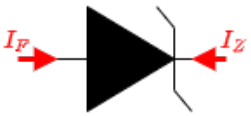


with $U_F > 0$

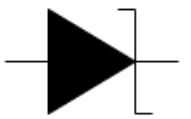


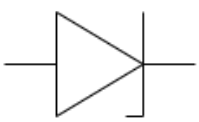
pn Junction with steep Doping



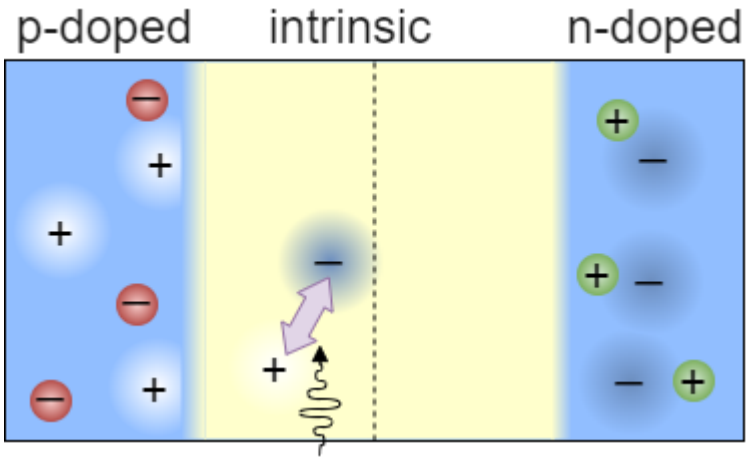


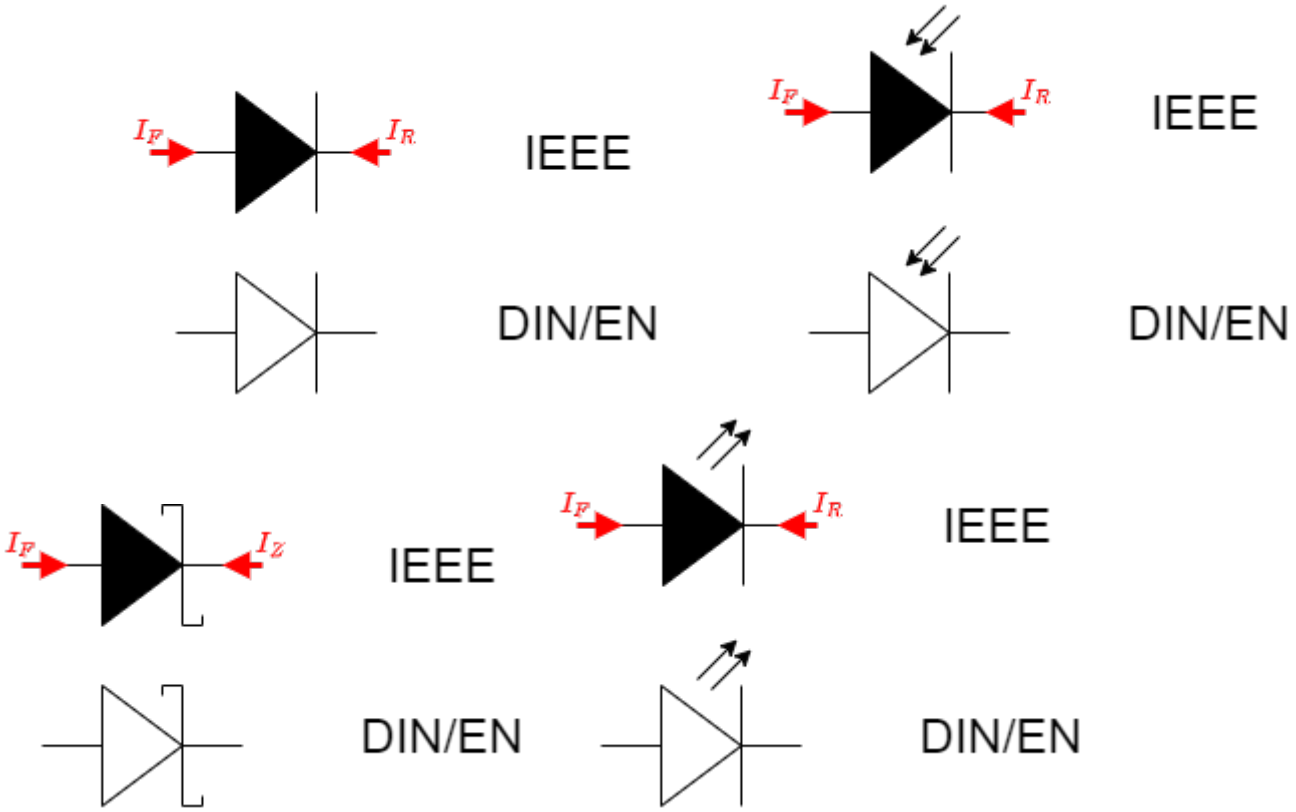
IEEE





DIN/EN





From:
https://wiki.mexle.te.hs-heilbronn.de/ - **MEXLE Wiki**

Permanent link:
https://wiki.mexle.te.hs-heilbronn.de/circuit_design/2_diodes?rev=1636846877

Last update: **2021/11/14 00:41**