

block13

Student Group

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Table of Contents

TBD

1. Semiconductor components
(approx. 4 blocks, based on previous lectures on [Diodes](#) and [Transistors](#))
1. Bipolar transistor (structure, designations, characteristic curve, characteristic values)
2. Transistor as a switch (circuit, switching times and behavior)
3. MOSFET (structure, comparison with bipolar transistor)
4. Optional: Transistor as an amplifier

A nice introduction to the bipolar transistor can be found in [libretexts](#). Some of the following passages, videos and pictures are taken from this introduction.

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