

Electronics II. laboratory

entry questions

1. Define the r_z parameter of a Zener diode. What is the importance of this parameter?
2. Describe the ideal and (simplified) real voltage and current generator.
3. What is / what determines the minimal and maximal load resistance for a real voltage generator?
4. What is / what determines the minimal and maximal load resistance for a real current generator?
5. Why is there a minimal load resistor for the number 5. measurement circuit? How much will it be approximately? (See homework!)
6. In the number 3. measurement circuit what is the maximum output voltage we can achieve by changing R_1 and R_2 ? (See homework!)
7. Why do we use a transistor in the number 6. circuit?
8. Define the output dynamic resistance of a current generator.