

Report format requirements Electric and Electronics 1

1. General requirements

- a cover sheet with the name of the subject, the name of the student taking the measurement, the Neptun code, and the date of the measurement;
- on the next page: a brief description of the measurement, and goals, listing the instruments and input data to be used;
- **Do not supplement the measurement instructions, make a self-created document! USE THE TEMPLATE!**
- the equations must be numbered on the right-hand side of the sheet;
- equations must be created using an editor (**image format not accepted**) or hand-written on paper and photographed!
- the simulation diagrams and the axes must be readable;
- the file name of the report must be the following structure: Surname of each member of the group _ measurement number. pdf, Example: Horváth_Csizmadia_meas1.pdf
- Accepted formats: pdf

2. Detailed content

1. First measurement

- The schematic of the measurement (without capacitor and with capacitor).
- The simulation of measurement in Ltspice (schematic and results (input and output voltage of the circuit)). Use ES1D diode!

2. Second measurement

- The schematic of the measurement
- The measured and calculated values in table form!
- Detailed presentations of the equations of three random rows (see the equations in measurement description!).
- Output graph of BJT (U_{CE} vs. I_C)

3. Third

- The schematic of the measurement
- The measured and calculated values in table form!
- Detailed presentations of the equations of three random rows (see the equations in measurement description!).
- Output graph of MOSFET (U_{DS} vs. I_D)

Deadline for uploading: see neptun message!

Anyone who has not been accepted the report or has an unjustified absence from the lab will have to repeat the semester!