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Correction on From simulation to experiment: Using KiCad to design electric circuits in the physics classroom

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This document states the following errors found in the original article:

1. Spice uses the Peak voltage, so the output voltage of the power supply voltage should be 325 V not with the RMS Value of 230 V, the diagrams and calculation must be changed accordingly.
2. The diode create a voltage drop of roughly 0.75 V so the calculation of the coil ratio must be done with 6.5 V.
3. The capacitor should not be pre-charged. The capacitor connected to the rectifier charges to the peak voltage (minus the diode voltage drop), meaning it reflects the peak voltage rather than the RMS value
4. In formula 1, it should be $\sqrt{\frac{L1}{L2}}$ instead of $\frac{L1}{L2}$.

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