Home Assignment

Exercise 1: Repeat the previous process for different inputs and circuits.

Exercise 2: Repeat the exercise done already in order to check Ohm's law applied to direct signals, but now with alternating signals. Do this by varying the input voltage Vpp from 1 to 10 volts, with 1 Volt step. In this case, you need to measure effective voltages and currents; also producing a linear graph that gradient will be value R.

Exercise 3: Using the Falstad simulator, solve some of the scenarios already suggested. E.g. the behaviour of a basic alternating circuit can be seen in the figure below.