

Two-port Networks

Laboratory V

Patrycja Nazim, Adrian Król, Gabriel Ćwiek, Kamil Chaj

1 Goal of the exercise

The aim of this exercise is to familiarize with experimental methods of determining two-port network parameters by measuring output and input voltages and currents, and then compare theoretical and experimental results

2 Two-port networks

3 Course of measurements

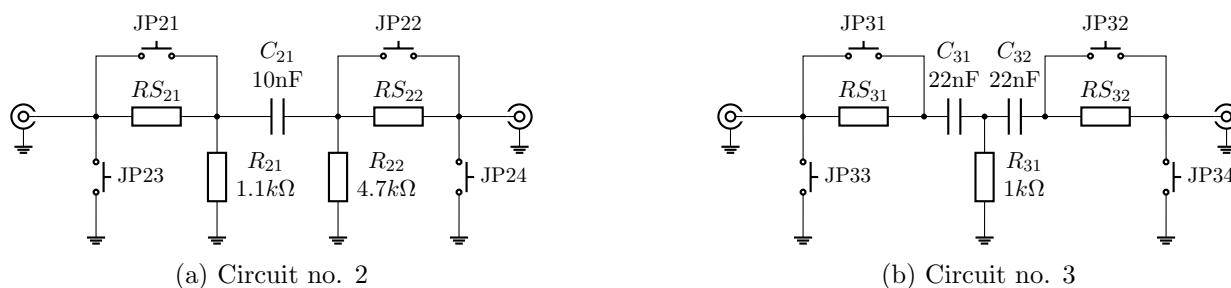


Figure 1: Measured circuits

4 Theoretical calculations

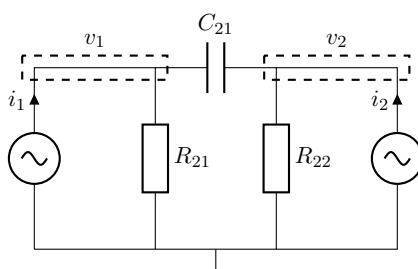


Figure 2: Simplified circuit no. 2

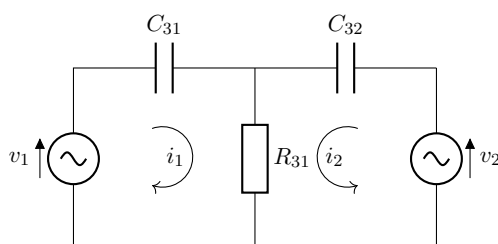


Figure 3: Simplified circuit no. 3

5 Comparison

6 Conclusions