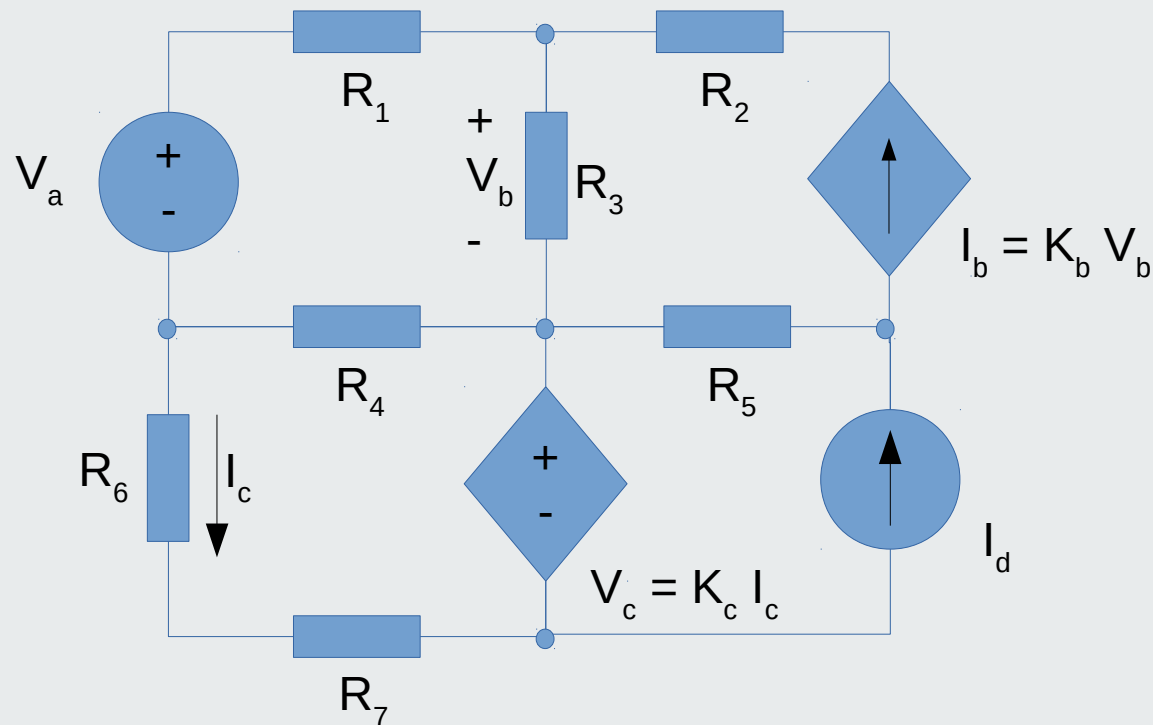


Circuit Theory and Electronics Fundamentals

Lab 1: Circuit analysis methods

Consider the following circuit



Analysis

- Run the supplied Python script, *t1_datagen.m*, to get the circuit data
- Theoretical analysis:
 - Analyze the circuit using the mesh method
 - Analyze the circuit using the nodal method
- Simulate the circuit using Ngspice
- Compare theoretical and simulation results and explain why they are the same or why they may have small differences