

KIRCHHOFF

1. Kirchhoff's Current Law (KCL)

The sum of currents entering a node is equal to the sum of currents leaving the node.

$$\sum I_{in} = \sum I_{out}$$


2. Kirchhoff's Voltage Law (KVL)

The sum of voltages around a closed loop is zero.

$$\sum V = 0$$


- 1. Kirchhoff's Current Law (KCL)
- 2. Kirchhoff's Voltage Law (KVL)
- 3. Superposition Theorem
- 4. Thevenin's Theorem
- 5. Norton's Theorem
- 6. Maximum Power Transfer Theorem
- 7. Millman's Theorem
- 8. Tellegen's Theorem
- 9. Reciprocity Theorem
- 10. Star-Delta Transformation