Source: [KBhPHYS201CircuitsIndex]

1 | Calculations Surrounding a Circuit

There are two ways to calculate the resistance within a circuit. In reality, they are all based on the same set of rules — but one way applies them directly and the other uses a higher-level abstraction that is often easier.

Either way, this is the are the rules that rules them all: **through a resistor, the Current does NOT change, the Voltage drops.**

Kirkoff's Laws

These are the basic rules of circuit calculation: [KBhPHYS201KirkoffsLaws]

Combining Resistors Method

Combining resistors is a generalization of the Kirkoff's Laws to makes calculating circuits easier. [KBhPHYS201CombiningResistors]