

Loop equation

[PHY208] In electrostatics the product of current and the Resistance gives the result known as $V = IR$ Ohm's law

[PHY208] Kirchoff's current law states that The algebraic sum of the current flowing in to any point in a circuit must be equals zero

[PHY208] Conventionally current leaving the node in electrical circuit is usually Negative

[PHY208] When applying KVL a closed path is commonly referred to as Node

[PHY208] A common connection for three or more components in a circuit where currents can combine or divide is called Principal node

[PHY208] When applying Kirchoff's current law If a 10A I_1 and 3A I_1 flow in to point X how much current must flow away from point X
13A

[PHY208] Three currents I_1 , I_2 , and I_3 flows in to point X, where as current I_4 flows away from point X. If $I_1=2.5A$, $I_3=6A$ and $I_4=18A$, how much is current I_2
19/2

[PHY208] The simplest possible closed path within a circuit is called mesh

[PHY208] An alternative name for a closed path in a circuit
Loop

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