

Answer on Question #68529, Physics / Electric Circuits

Question:

Correct meaning of potential difference or voltage?

Answer:

Voltage (Potential difference) between two points – difference in electric potential energy between that points per charge unit. $\Delta U = \frac{W_2 - W_1}{q}$

Also, it can be defined as a work needed to move a unit charge from one point to another.

Voltage is measured in Volts: $1V = \frac{1J}{1C} = 1 \text{ Joule per Coulomb}$

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