

Answer on Question #43352-Physics-Electric Circuits

Establish the relation between one coulombic charge and one electronic charge.

Answer

The unit of electric charge is the Coulomb. Charge is quantized as a multiple of the electron or proton charge:

$$\text{proton charge} \quad e = 1.602 \cdot 10^{-19} \text{ coulombs},$$

$$\text{electron charge} \quad -e = -1.602 \cdot 10^{-19} \text{ coulombs}.$$

