

Answer on Question 64962, Physics, Electric Circuits

Question:

Your hands are wet ($R = 2400 \Omega$) and you touch the terminal of a $12 V$ battery. Calculate the current running through the body.

Solution:

We can find the current running through the body from the Ohm's law:

$$I = \frac{V}{R} = \frac{12 V}{2400 \Omega} = 0.005 A.$$

Answer:

$$I = 0.005 A.$$

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