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4,5,6 Figure 3.2 In a circuit diagram it would be neater to draw the circuit of Fig. 3.1. if the resistor R_1 were removed from the circuit then there is said to be an open circuit between nodes 1 and 2.

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In an electronic circuit, the electromagnetic problem of voltages at arbitrary points in space is typically simplified to voltages between nodes of circuit components such as resistors, capacitors, and transistors. Figure 1.1: Voltage V_1 is the electrical potential gained by moving charge Q_1 in an electric field.

Fundamentals of Electronic Circuit Design

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A simple electric circuit. L1 C4 Antenna ... R2 R4 R6 R3 R 5 C1 C3 C2 Electret microphone R1 + \hat{v} + 9 V (DC) Q1 Figure 1.2 Electric circuit of a radio transmitter. Introduction Electric circuit theory and electromagnetic theory are the two fundamental theories upon which all branches of electrical engineering are ... Electric circuits are ...

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