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20 Electrical Engineering Interview Questions & Answers

In electrical circuit theory, a circuit $C(t)$ is called a linear circuit if it satisfies the superposition principle given by $C(at_1 + bt_2) = aC(t_1) + bC(t_2)$, where a, b are constants. Show that the Concept: Identifying the Graphs of Linear, Quadratic, Cubic and Reciprocal Functions.

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When doing circuit analysis, you need to know some essential laws, electrical quantities, relationships, and theorems. Ohm's law is a key device equation that relates current, voltage, and resistance. Using Kirchhoff's laws, you can simplify a network of resistors using a single equivalent resistor. You can also do the same type of calculation to obtain [...]

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Basic Electrical Theory | Ohms Law, Current, Circuits & More

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A.C. Fundamentals, Circuits and Circuit Theory

Questions :-1. A sine wave has a frequency of 50 Hz. Its angular frequency is _____ radian/second. (a) 100 n (b) 50 jt (c) 25 JT (d) 5 n Ans: a. 2. The reactance offered by a capacitor to alternating current of frequency 50 Hz is 20 Q. If frequency is increased to 100 Hz, reactance becomes _____ ohms. (a) 2.5 (b) 5

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