Mindluster Platform

About the course Equivalent Resistance basics in Electrical

Equivalent Resistance basics course, In this course we delve into the fundamental concepts and principles of Equivalent Resistance in electrical circuits.

Engineering Category's Courses

Course Lesson(91)

Lesson 1 : **Introduction to Network Theory**

Lesson 2 : **Electric Charge**

Lesson 3 : **Law of Conservation of Charge**

Lesson 4 : **Electric Current**

Lesson 5 : **Conventional Current vs Electron Current**

Lesson 6 : **Is Current a Scalar or a Vector Quantity**

Lesson 7 : **Electric Potential Difference Voltage**

Lesson 8 : **Electric Power**

Lesson 9 : **Electric Power Solved Problem**

Lesson 10 : **Circuit Elements Resistor**

Lesson 11 : **Ohm s Law**

Lesson 12 : **The Concept of Short Circuit**

Lesson 13 : **The Concept of Open Circuit**

Lesson 14 : **Circuit Elements Inductor**

Lesson 15 : **Linear and Non Linear Inductors**

Lesson 16 : **Energy Stored in an Inductor**

Lesson 17 : **Inductor Important Points**

Lesson 18 : **Circuit Elements Capacitor**

Lesson 19 : **Energy Stored in a Capacitor**

Lesson 20 : **Capacitor Important Points**

Lesson 21 : **Dependent and Independent Sources**

Lesson 22 : **Ideal and Practical Voltage Sources**

Lesson 23 : **Ideal and Practical Current Sources**

Lesson 24 : **Voltage Source Tips Tricks**

Lesson 25 : **Current Source Tips Tricks**

Lesson 26 : **Current Voltage Source Important Points**

Lesson 27 : **Node Path Loop and Branch**

Lesson 28 : **Kirchhoff s Current Law KCL**

Lesson 29 : **Kirchhoff s Voltage Law KVL**

Lesson 30 : **KCL and KVL Solved Problem**

Lesson 31 : **More Insight into Kirchhoff s Voltage Law KVL**

Lesson 32 : **Mesh Analysis**

Lesson 33 : **Mesh Analysis Solved Problem 1**

Lesson 34 : **Mesh Analysis Solved Problem 2**

Lesson 35 : **Mesh Analysis with Current Source**

Lesson 36 : **Supermesh Analysis**

Lesson 37 : **Supermesh Analysis Solved Problem**

Lesson 38 : **Nodal Analysis**

Lesson 39 : **Nodal Analysis Solved Problem 1**

Lesson 40 : **Nodal Analysis with Voltage Source**

Lesson 41 : **Nodal Analysis Solved Problem 2**

Lesson 42 : **Supernode Analysis**

Lesson 43 : **Supernode Analysis Solved Problem**

Lesson 44 : **Series Parallel Combination of Resistors**

Lesson 45 : **Series Parallel Combination of Capacitors**

Lesson 46 : **Series Parallel Combination of Inductors**

Lesson 47 : **Voltage Divider Rule**

Lesson 48 : **Current Divider Rule**

Lesson 49 : **Equivalent Resistance Solved Problem 1**

Lesson 50 : **Equivalent Resistance Solved Problem 2**

Lesson 51 : **Equivalent Resistance Solved Problem 3**

Lesson 52 : **Calculation of Equivalent Resistance Using Symmetry**

Lesson 53 : **Equivalent Resistance Solved Problem 4**

Lesson 54 : **Equivalent Resistance of a Cube Between the Space Diagonal**

Lesson 55 : **Equivalent Resistance of a Cube Between the Vertices of an Edge**

Lesson 56 : **Balanced Bridge**

Lesson 57 : **Balanced Bridge With Impedances**

Lesson 58 : **Balanced Bridge Solved Problem**

Lesson 59 : **Equivalent Resistance Solved Problem 7**

Lesson 60 : **Equivalent Resistance Solved Problem 8**

Lesson 61 : **Delta to Wye Star Conversion**

Lesson 62 : **Wye Star to Delta Conversion**

Lesson 63 : **Delta to Wye Wye to Delta Conversion for Capacitors**

Lesson 64 : **Equivalent Capacitance Solved Problem 1**

Lesson 65 : **Equivalent Capacitance Solved Problem 2**

Lesson 66 : **Equivalent Capacitance Solved Problem 3**

Lesson 67 : **Equivalent Capacitance Solved Problem 4**

Lesson 68 : **Active and Passive Elements**

Lesson 69 : **Bidirectional and Unidirectional Elements**

Lesson 70 : **Lumped and Distributed Elements**

Lesson 71 : **Linear and Nonlinear Elements**

Lesson 72 : **Basics of Network Theory Solved Problem 1**

Lesson 73 : **Basics of Network Theory Solved Problem 2**

Lesson 74 : **Basics of Network Theory Solved Problem 3**

Lesson 75 : **Basics of Network Theory Solved Problem 4**

Lesson 76 : **Basics of Network Theory Solved Problem 5**

Lesson 77 : **Basics of Network Theory Solved Problem 6**

Lesson 78 : **Basics of Network Theory Solved Problem 7 | Problem on Bulbs**

Lesson 79 : **Basics of Network Theory Solved Problem 8**

Lesson 80 : **Basics of Network Theory Solved Problem 9**

Lesson 81 : **Basics of Network Theory Solved Problem 10**

Lesson 82 : **Basics of Network Theory Solved Problem 11**

Lesson 83 : **Basics of Network Theory Solved Problem 12**

Lesson 84 : **Basics of Network Theory Solved Problem 13**

Lesson 85 : **Basics of Network Theory Solved Problem 14**

Lesson 86 : **Basics of Network Theory Solved Problem 15**

Lesson 87 : **Basics of Network Theory Solved Problem 16**

Lesson 88 : **Basics of Network Theory Solved Problem 17**

Lesson 89 : **Basics of Network Theory Solved Problem 18**

Lesson 90 : **Basics of Network Theory Solved Problem 19**

Related courses

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