Mindluster Platform

About the course Circuits Systems

The research area of circuits and systems deals with the theory, analysis and design of interconnected devices and components. Typically the circuits and systems of interest are targeted at signal processing and communications applications.

Marketing Category's Courses

Course Lesson(77)

Lesson 1 : **Current | Formulae | Circuits Systems | Lec 1**

Lesson 2 : **Voltage | Formulae | Circuits Systems | Lec 2**

Lesson 3 : **Ohms law | formulae | Circuits Systems | Lec 3**

Lesson 4 : **Energy and power | Formulae | Circuits Systems | Lec 4**

Lesson 5 : **Resistance | Series Parallel | Circuits Systems | Lec 5**

Lesson 6 : **Circuit | Introduction | Circuits Systems | Lec 6**

Lesson 7 : **Inductance | Series Parallel | Circuits Systems | Lec 7**

Lesson 8 : **Capacitance | Series Parallel | Circuits Systems | Lec 8**

Lesson 9 : **Sources | Voltage Current | Dependent Independent | Circuits Systems | Lec 9**

Lesson 10 : **Kirchhoff s Voltage Law | KVL | Circuits Systems | Lec 10**

Lesson 11 : **Voltage division Rule | Resistance in series | Circuits Systems | Lec 11**

Lesson 12 : **Kirchhoff s Current Law | KCL | Circuits Systems | Lec 12**

Lesson 13 : **Current division Rule | Parallel Circuit | Circuits Systems | Lec 13**

Lesson 14 : **Nodal analysis | KCL Ohm s Law | Circuits Systems | Lec 14**

Lesson 15 : **Supernode Analysis | Circuits Systems | Lec 15**

Lesson 16 : **Mesh analysis | KVL Ohm s law | Circuits Systems | Lec 16**

Lesson 17 : **Super Mesh analysis | Circuits Systems | Lec 17**

Lesson 18 : **Star delta conversion | Vice Versa | Circuits Systems | Lec 18**

Lesson 19 : **Source Transformation technique | Circuits Systems | Lec 19**

Lesson 20 : **Super position theorem | Circuits Systems | Lec 20**

Lesson 21 : **Superposition theorem Example | Circuits Systems | Lec 21**

Lesson 22 : **Thevenins theorem | Circuits Systems | Lec 22**

Lesson 23 : **Thevenins theorem Example | Circuits Systems | Lec 23**

Lesson 24 : **Nortons theorem | Circuits Systems | Lec 24**

Lesson 25 : **Nortons theorem Example | Circuits Systems | Lec 25**

Lesson 26 : **Maximum power transfer theorem | Circuits Systems | Lec 27**

Lesson 27 : **Reciprocity theorem | Circuits Systems | Lec 26**

Lesson 28 : **Tellegen s theorem | Circuits Systems | Lec 28**

Lesson 29 : **Millman s theorem | Circuits Systems | Lec 29**

Lesson 30 : **Substitution Theorem | Example | Circuits Systems | Lec 30**

Lesson 31 : **AC voltage Current | Circuits Systems | Lec 31**

Lesson 32 : **Average Voltage | Circuits Systems | Lec 32**

Lesson 33 : **RMS Value of voltage | Circuits Systems | Lec 33**

Lesson 34 : **Peak factor Form factor | Circuits Systems | Lec 34**

Lesson 35 : **Resistive Circuit | AC supply | Circuits Systems | Lec 35**

Lesson 36 : **Inductive Circuit | AC supply | Circuits Systems | Lec 35**

Lesson 37 : **Capacitive Circuit | AC supply | Circuits Systems | Lec 37**

Lesson 38 : **Impedance | RL Circuit | Circuits Systems | Lec 38**

Lesson 39 : **Impedance | RC Resistive circuit | Circuits Systems | Lec 39**

Lesson 40 : **RL Series circuit | Examples | Circuits Systems | Lec 40**

Lesson 41 : **RC Series circuit | Examples | Circuits Systems | Lec 41**

Lesson 42 : **Impedance of series RLC circuit | Circuits Systems | Lec 42**

Lesson 43 : **RLC series Circuit | Example| Circuits Systems | Lec 43**

Lesson 44 : **RL parallel Circuit | Example| Circuits Systems | Lec 44**

Lesson 45 : **RC parallel Circuit | Example | Circuits Systems | Lec 45**

Lesson 46 : **Compound circuits | Impedance Calculation | Circuits Systems | Lec 46**

Lesson 47 : **Instantaneous power | Circuits Systems | Lec 47**

Lesson 48 : **Average power Calculation | Circuits Systems | Lec 48**

Lesson 49 : **Power Factor Apparent Power | Circuits Systems | Lec 49**

Lesson 50 : **Apparent power Avg power Pf | Circuits Systems | Lec 50**

Lesson 51 : **Reactive power | Circuits Systems | Lec 51**

Lesson 52 : **Power triangle | Circuits Systems | Lec 52**

Lesson 53 : **Power and Power Factor PF | Problem | Circuits Systems | Lec 53**

Lesson 54 : **Mesh Analysis | Steady state AC | Circuits Systems | Lec 54**

Lesson 55 : **Mesh Equations by Inspection Method | Circuits Systems | Lec 55**

Lesson 56 : **Example on Mesh analysis | Circuits Systems | Lec 56**

Lesson 57 : **Nodal Analysis | Circuits Systems | Lec 57**

Lesson 58 : **Numerical using Nodal Analysis | Circuits Systems | Lec 58**

Lesson 59 : **Nodal equations by inspection | Circuits Systems | Lec 59**

Lesson 60 : **Nodal Analysis By Inspection | RLC Circuit | Circuits Systems | Lec 60**

Lesson 61 : **Superposition for AC | Circuits Systems | Lec 61**

Lesson 62 : **Superposition Theorem | RLC Example | Circuits Systems | Lec 62**

Lesson 63 : **Thevenin s Theorem | AC Circuits | Circuits Systems | Lec 63**

Lesson 64 : **Thevenin s Theorem | Example RLC Circuit | Circuits Systems | Lec 64**

Lesson 65 : **Norton s Theorem | AC Circuits | Circuits Systems | Lec 65**

Lesson 66 : **Norton s Theorem | Example RLC Circuit | Circuits Systems | Lec 66**

Lesson 67 : **Maximum Power Transfer Theorem | Introduction | Circuits Systems | Lec 67**

Lesson 68 : **Maximum power transfer theorem | Example | Circuits Systems | Lec 68**

Lesson 69 : **Series Resonance | RLC circuit | Circuits Systems | Lec 69**

Lesson 70 : **Impedance Phase angle | RLC circuit | Circuits Systems | Lec 70**

Lesson 71 : **Resonance frequency | under maximum VL VC | Circuits Systems | Lec 71**

Lesson 72 : **VL VC plots | Voltage Vs frequency | Circuits Systems | Lec 72**

Lesson 73 : **RLC series circuit | Bandwidth | Circuits Systems | Lec 73**

Lesson 74 : **Q factor RLC series circuit | Circuits Systems | Lec 74**

Lesson 75 : **Parallel resonance | Circuits Systems | Lec 75**

Lesson 76 : **Resonant frequency | Parallel resonant Circuit | Circuits Systems | Lec 76**

Lesson 77 : **Impedance with frequency | Parallel resonant | Circuits Systems | Lec 77**

Related courses

How To Start Social Media Marketin

Search Engine Optimization

Digital Strategy Brand Marketing Workshop

Marketing Automation

YouTube Marketing Training

Google Adwords Training

for Business Contact
business@mindluster.com