NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

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NPTEL Video Course - Electronics and Communication Engineering - NOC: Basic Tools of Microwave Engineering
Subject Co-ordinator - Dr. Amitabha Bhattacharya
Co-ordinating Institute - IIT - Kharagpur
Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable
Lecture 1 - Challenges of Microwave Design
Lecture 2 - Introduction to the 1st tool
Lecture 3 - Measurement of Unknown Impedance
Lecture 4 - Application of Smith Chart for finding unknown impedance in laboratory
Lecture 5 - Problem Solving using Smith Chart
Lecture 6 - Need of Impedance Matching at Microwave Frequency
Lecture 7 - Lumped Element Based Impedance Matching Network Design by Smith Chart
Lecture 8 - Distributed Impedance Matching Design by Smith Chart
Lecture 9 - Broadband Impedance Matching Network Design
Lecture 10 - Tutorial 2
Lecture 11 - Voltage and Current at Microwave Frequency
Lecture 12 - Scattering Parameter
Lecture 13 - Properties of Scattering Parameter
Lecture 14 - Network Analyser
Lecture 15 - Tutorial 3
Lecture 16 - Radiation between S-Parameters and Transmission Parameters
Lecture 17 - Scattering Parameters of Coupler and Magic Tee
Lecture 18 - Signal Flow Graph
Lecture 19 - Understanding Network Analyser Calibration with the help of Signal Flow Graph
Lecture 20 - Tutorial 4
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