NPTEL Video Course - Electronics and Communication Engineering - NOC:Design Principles of RF and Microwave Fi

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Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Image Impedance based RF filter design
Lecture 2 - Concept of Image impedance and Propagation Constant
Lecture 3 - Symmetrical lossless network description for filter design
Lecture 4 - Constant k prototype filter design
Lecture 5 - m-derived prototype filter design
Lecture 6 - Introduction to Insertion loss based Microwave Filter Design
Lecture 7 - Prototype low pass filter design
Lecture 8 - Filter transformation
Lecture 9 - Microwave Filter implementation
Lecture 10 - Tutorial an Insertion Loss based Microwave Filter design
Lecture 11 - Gain Definitions of Microwave Amplifiers
Lecture 12 - Stability Analysis of Microwave Amplifiers
Lecture 13 - Conditional stability enforcement for Microwave Amplifier
Lecture 14 - Amplifier design of maximising transducer gain
Lecture 15 - Amplifier design for specified gain
Lecture 16 - Amplifier design for specified noise performance
Lecture 17 - Broadband Amplifier Design
Lecture 18 - Quantitative Characterisation of Nonlinearity for Large Signal Amplifier
Lecture 19 - Quantitative Characterisation of Nonlinearity for Large Signal Amplifier (Continued...)
Lecture 20 - Measurement of Nonlinearity