NPTEL Video Course - Chemical Engineering - NOC:Introduction to Time-Frequency Analysis and Wavelet Transform

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Co-ordinating Institute - IIT - Madras

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

Lecture 30 - Pseudo and Smoothed WVD
Lecture 31 - Cohens class and smoothed WVD
Lecture 32 - Cohens class and smoothed WVD
Lecture 33 - Cohens class and Ambiguity functions
Lecture 34 - Affine class and closing remarks
Lecture 35 - Continuous Wavelet Transform
Lecture 36 - Continuous Wavelet Transforms
Lecture 37 - Scale to Frequency
Lecture 38 - Computational aspects of CWT
Lecture 39 - Scalogram and MATLAB demonstration
Lecture 40 - Scalogram and MATLAB demonstration
Lecture 41 - Scaling function
Lecture 42 - Scaling Function
Lecture 43 - Wavelets
Lecture 44 - Wavelets
Lecture 45 - Applications of CWT
Lecture 46 - Applications of CWT
Lecture 47 - Discrete Wavelet Transform
Lecture 48 - Discrete Wavelet Transform.
Lecture 49 - Orthogonal scaling function bases and MRA
Lecture 50 - Orthogonal scaling function bases and MRA.
Lecture 51 - Wavelet Filters and Fast DWT Algorithm
Lecture 52 - Wavelet Filters and Fast DWT Algorithm (Continued...)
Lecture 53 - Wavelet Filters and Fast DWT Algorithm (Continued...)
Lecture 54 - Wavelets for DWT
Lecture 55 - Wavelets for DWT (Continued...)
Lecture 56 - Wavelets for DWT (Continued...)
Lecture 57 - DWT computation
Lecture 58 - DWT computation (Continued...)
Lecture 59 - DWT computation (Continued...)