NPTEL Video Course - Engineering Design - NOC:Introduction to Robotics

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Co-ordinating Institute - IIT - Madras

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

Lecture 30 - Recursive State Estimation
Lecture 31 - Probability basics
Lecture 32 - Probability basics
Lecture 33 - Kalman Filter
Lecture 34 - Extended Kalman Filter
Lecture 35 - Particle Filter
Lecture 36 - Binary Bayes
Lecture 37 - Velocity Motion Model
Lecture 38 - Odometry Motion Model
Lecture 39 - Occupa Grid Mapping
Lecture 40 - Range Finder Measurement Model
Lecture 41 - Localization Taxonomy
Lecture 42 - Markov Localization
Lecture 43 - Path Planning