NPTEL Video Course - Electrical Engineering - Probability Foundation for Electrical Engineers

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Co-ordinating Institute - IIT - Madras

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

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Lecture 5 - Uncountable sets - 2
Lecture 6 - Probability spaces - Introduction
Lecture 7 - Probability spaces - Algebra
Lecture 8 - Probability spaces - Ï -algebra
Lecture 9 - Probability spaces - Measurable space
Lecture 10 - Properties of probability measures
Lecture 11 - Continuity of probability measure
Lecture 12 - Discrete probability space - finite and countably infinite sample space
Lecture 13 - Discrete probability space - Uncountable sample space
Lecture 14 - Generated Ï -algebra, Borel Sets
Lecture 15 - Borel sets
Lecture 16 - Uniform probability measure on Borel sets-Lebesgue measure
Lecture 17 - CarathÃ©odoryâ s extension theorem
Lecture 18 - Lebesgue measure (Continued...)
Lecture 19 - Infinite coin toss model
Lecture 20 - Infinite coin toss model (Continued...)
Lecture 21 - Conditional probability
Lecture 22 - Properties of conditional probability
Lecture 23 - Independence of events
Lecture 24 - Independence of Ï -algebras
Lecture 25 - Borel-Cantelli Lemma - 1
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Lecture 27 - Random Variables
Lecture 28 - Random Variables (Continued...)
Lecture 29 - Cumulative Distribution Function

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Lecture 34 - Examples of Continuous Random Variables - 1
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Lecture 63 - Expectation of Function of Random Variable
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