NPTEL Video Course - Computer Science and Engineering - NOC:Introduction to Automata, Languages and Computati

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Co-ordinating Institute - IIT - Kharagpur

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

Lecture 30 - Ardens Theorem
Lecture 31 - Minimization of FA
Lecture 32 - Minimization of FA (Continued...)
Lecture 33 - Two way FA
Lecture 34 - Finite automata with output
Lecture 35 - Equivalence of Moore and Mealy machine
Lecture 36 - Context free grammars (CFG)
Lecture 37 - Context free language (CFL)
Lecture 38 - More example on CFL
Lecture 39 - More on CFG
Lecture 40 - Derivation Tree/Parse Tree
Lecture 41 - Leftmost and Rightmost derivations
Lecture 42 - Ambiguity in CFG
Lecture 43 - Simplification of CFG
Lecture 44 - Algorithms to construct reduced grammar
Lecture 45 - Elimination of Null and Unit productions
Lecture 46 - Chomsky Normal Form (CNF)
Lecture 47 - Greibach Normal Form (GNF)
Lecture 48 - Pushdown Automata (PDA)
Lecture 49 - Language accepted by PDA
Lecture 50 - Example of a language accepted by PDA
Lecture 51 - Deterministic PDA
Lecture 52 - Equivalence of language accepted
Lecture 53 - Equivalence PDA
Lecture 54 - Equivalence PDA and CFL
Lecture 55 - Equivalence PDA and CFL (Continued...)
Lecture 56 - Relationship between regular language and CFL
Lecture 57 - Pumping lemma for CFLs
Lecture 58 - Closer properties of CFLs
Lecture 59 - Turning Machine
Lecture 60 - Language accepted by a Turning machine