

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Mechanical Engineering - NOC:Robotics

Subject Co-ordinator - Prof. Dilip Kumar Pratihari

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Introduction to Robots and Robotics
Lecture 2 - Introduction to Robots and Robotics (Continued...)
Lecture 3 - Introduction to Robots and Robotics (Continued...)
Lecture 4 - Introduction to Robots and Robotics (Continued...)
Lecture 5 - Introduction to Robots and Robotics (Continued...)
Lecture 6 - Introduction to Robots and Robotics (Continued...)
Lecture 7 - Introduction to Robots and Robotics (Continued...)
Lecture 8 - Introduction to Robots and Robotics (Continued...)
Lecture 9 - Introduction to Robots and Robotics (Continued...)
Lecture 10 - Introduction to Robots and Robotics (Continued...)
Lecture 11 - Robot Kinematics
Lecture 12 - Robot Kinematics (Continued...)
Lecture 13 - Robot Kinematics (Continued...)
Lecture 14 - Robot Kinematics (Continued...)
Lecture 15 - Robot Kinematics (Continued...)
Lecture 16 - Robot Kinematics (Continued...)
Lecture 17 - Robot Kinematics (Continued...)
Lecture 18 - Robot Kinematics (Continued...)
Lecture 19 - Robot Kinematics (Continued...)
Lecture 20 - Robot Kinematics (Continued...)
Lecture 21 - Trajectory Planning
Lecture 22 - Trajectory Planning (Continued...)
Lecture 23 - Singularity Checking
Lecture 24 - Robot Dynamics
Lecture 25 - Robot Dynamics (Continued...)
Lecture 26 - Robot Dynamics (Continued...)
Lecture 27 - Robot Dynamics (Continued...)
Lecture 28 - Robot Dynamics (Continued...)
Lecture 29 - Robot Dynamics (Continued...)

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- Lecture 30 - Control Scheme
- Lecture 31 - Sensors
- Lecture 32 - Sensors (Continued...)
- Lecture 33 - Sensors (Continued...)
- Lecture 34 - Robot Vision
- Lecture 35 - Robot Vision (Continued...)
- Lecture 36 - Robot Vision (Continued...)
- Lecture 37 - Robot Motion Planning
- Lecture 38 - Robot Motion Planning (Continued...)
- Lecture 39 - Robot Motion Planning (Continued...)
- Lecture 40 - Robot Motion Planning (Continued...)
- Lecture 41 - Intelligent Robot
- Lecture 42 - Biped Walking
- Lecture 43 - Biped Walking (Continued...)
- Lecture 44 - Summary
- Lecture 45 - Summary (Continued...)