Assiut University

Faculty of Engineering

Mechatronics and Robotics

Robotics

Dynamics

Text Book Problems

- 1. Derive the Eular-Lagrange Equations of Motion for a planar PR robot
- 2. Derive the Eular-Lagrange Equations of Motion for a planar RP robot
- 3. Find the torques at all joints of a planar RPR robot when a force of 10N is applied to its end effector. Assume the prismatic joint is horizontal.