AA 274A: Principles of Robot Autonomy I
Problem Set 2

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Problem 1: A* Motion Planning

(i) (code)

(ii) (please see sim_astar section of merged pdf as requested)

Problem 2: Rapidly-Exploring Random Trees (RRT)

(i) (code)

(ii) (code)

(iii) (code)

(iv) (please see sim_rrt section of merged pdf as requested)

Problem 3: Geometric Planning to Trajectories and Control

(i) (code)

(ii) (code)

(iii) (code)

(iv) (please see sim_traj_planning section of merged pdf as requested)

Extra Problem: Bi-Directional Sampling-based Motion Planning

(i) (code)

(ii) (code)

(iii) (code)

(iv) (please see sim_bidirectional_rrt section of merged pdf as requested)