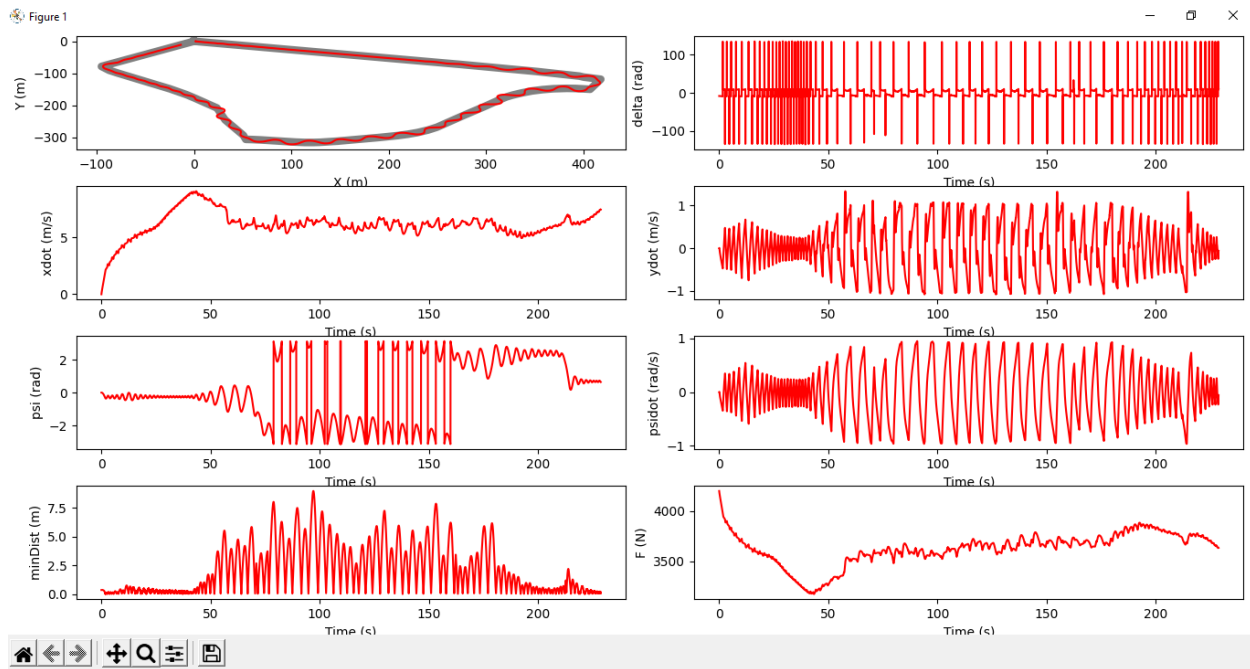


24677 Project 3: Writeup

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Exercise 1:



Score for completing the loop: 30.0/30.0

Score for average distance: 30.0/30.0

Score for maximum distance: 29.21527486361729/30.0

Your time is 228.768

Your total score is : 99.21527486361728/100.0

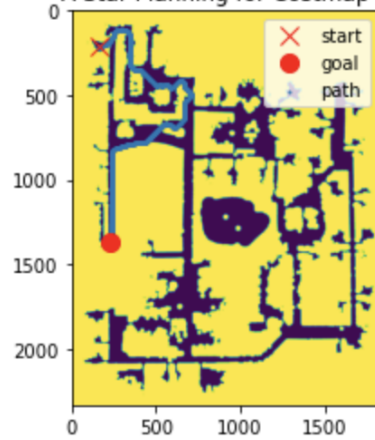
total steps: 228768

maxMinDist: 8.969653809217913

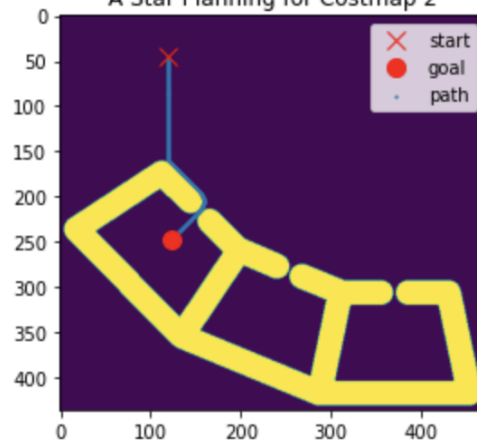
avgMinDist: 2.065269484684076

Exercise 2:

A Star Planning for Costmap 1



A Star Planning for Costmap 2



A Star Planning for Costmap 3

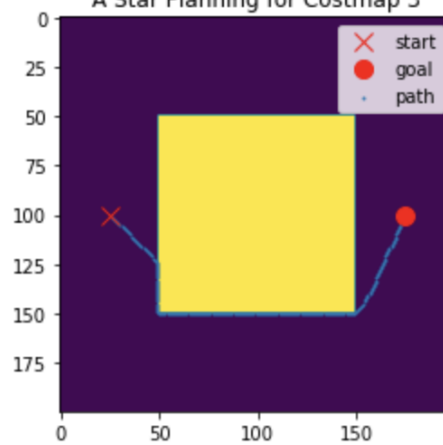


Figure 1

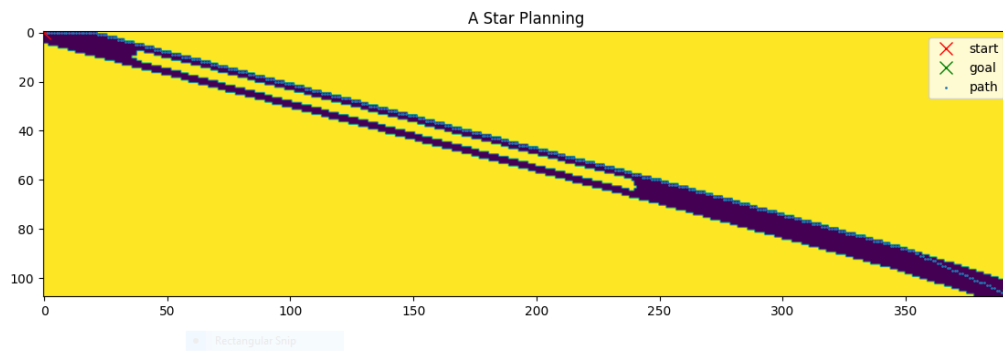
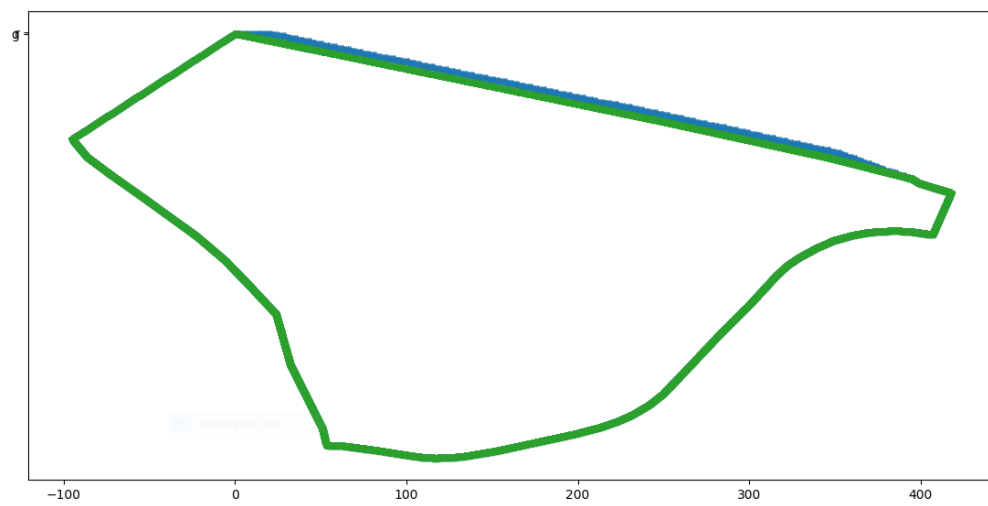
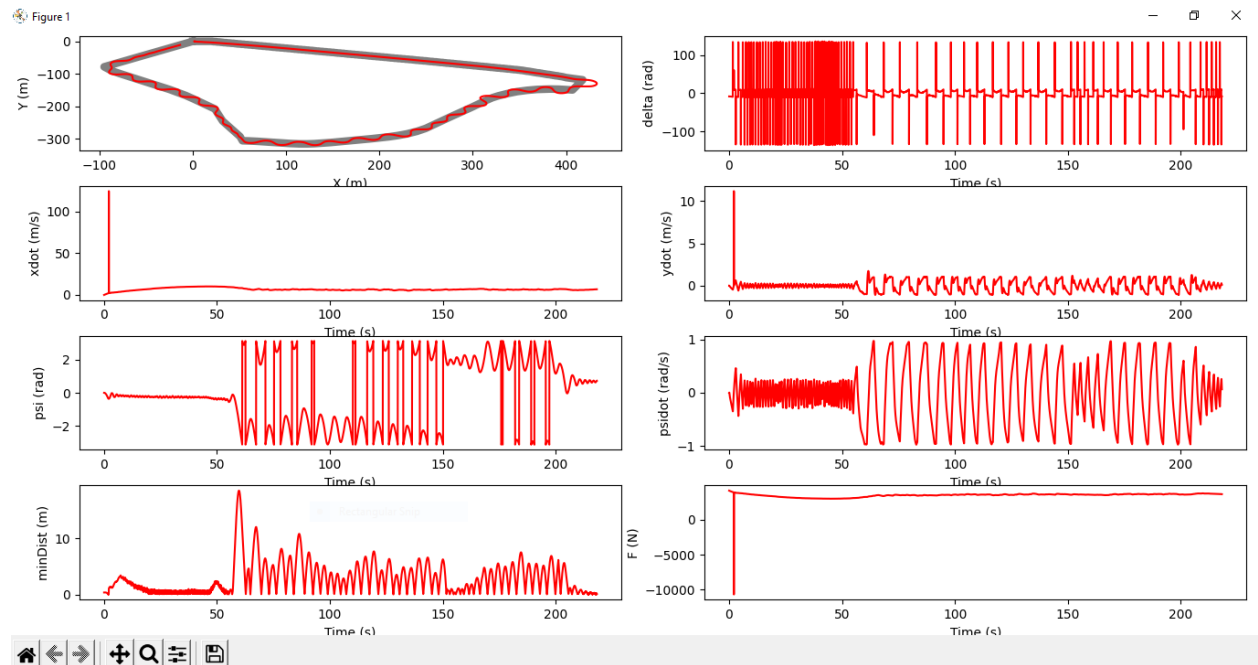


Figure 1





The vehicle took 3 minutes 42s (222s) to complete the path without colliding with the other vehicle. The above plot was generated at that instant.