

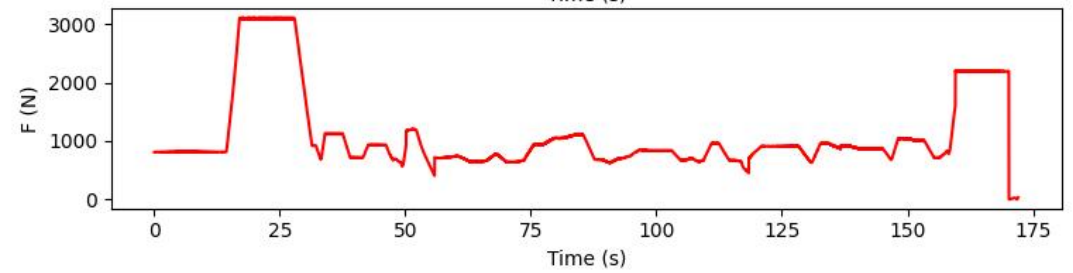
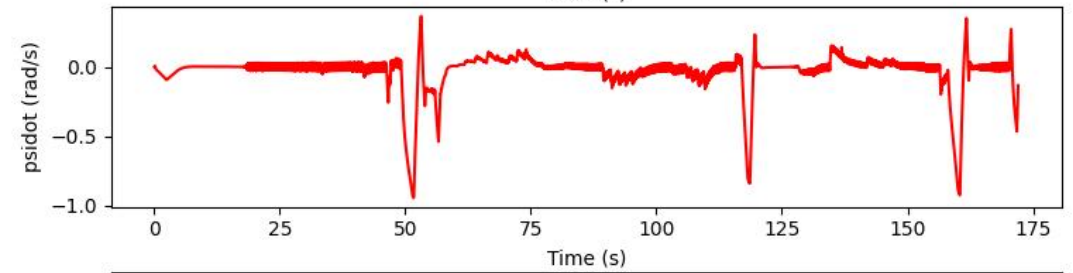
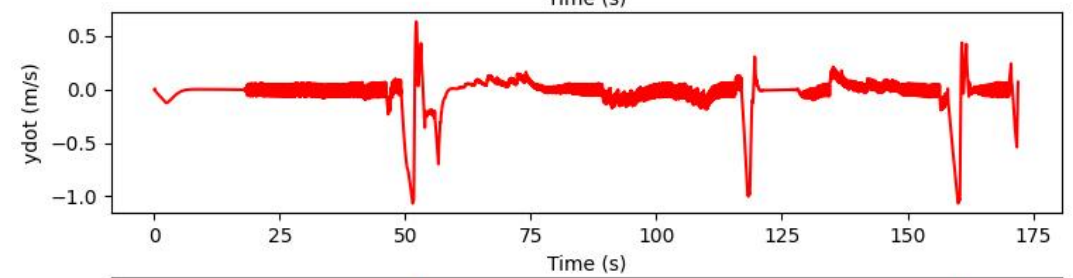
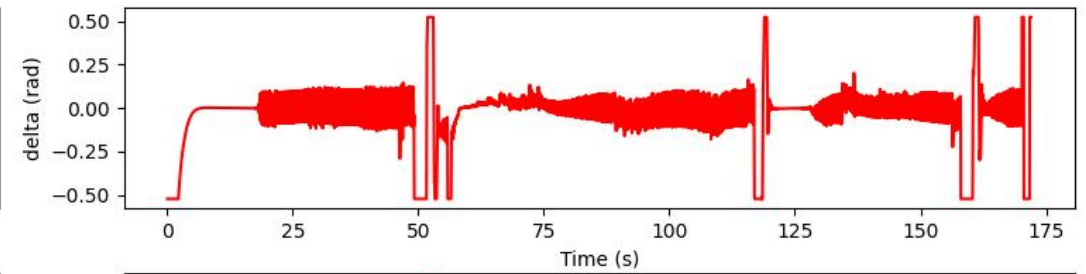
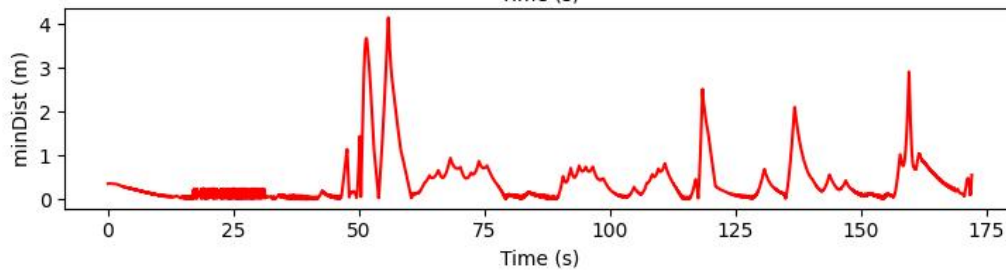
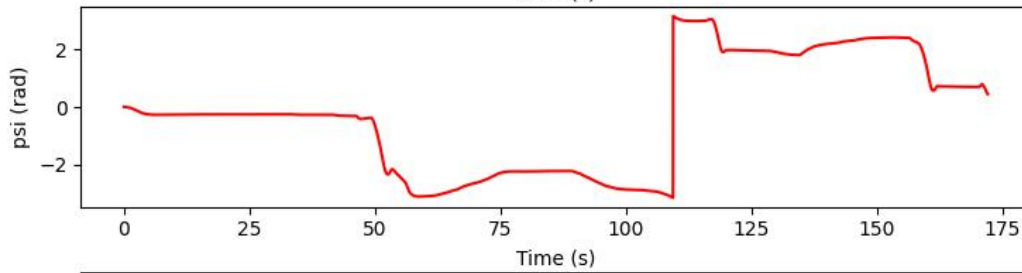
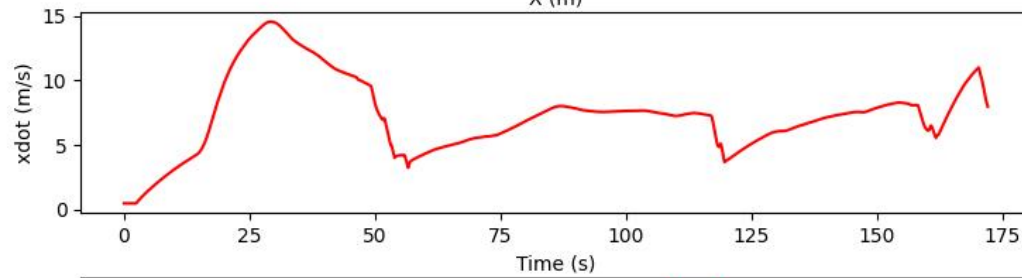
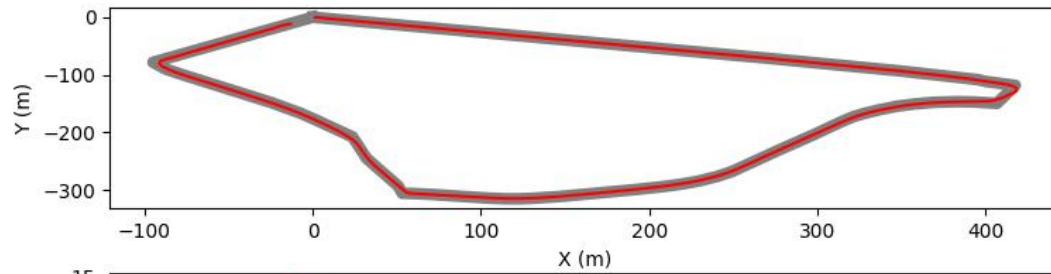
LQR Results



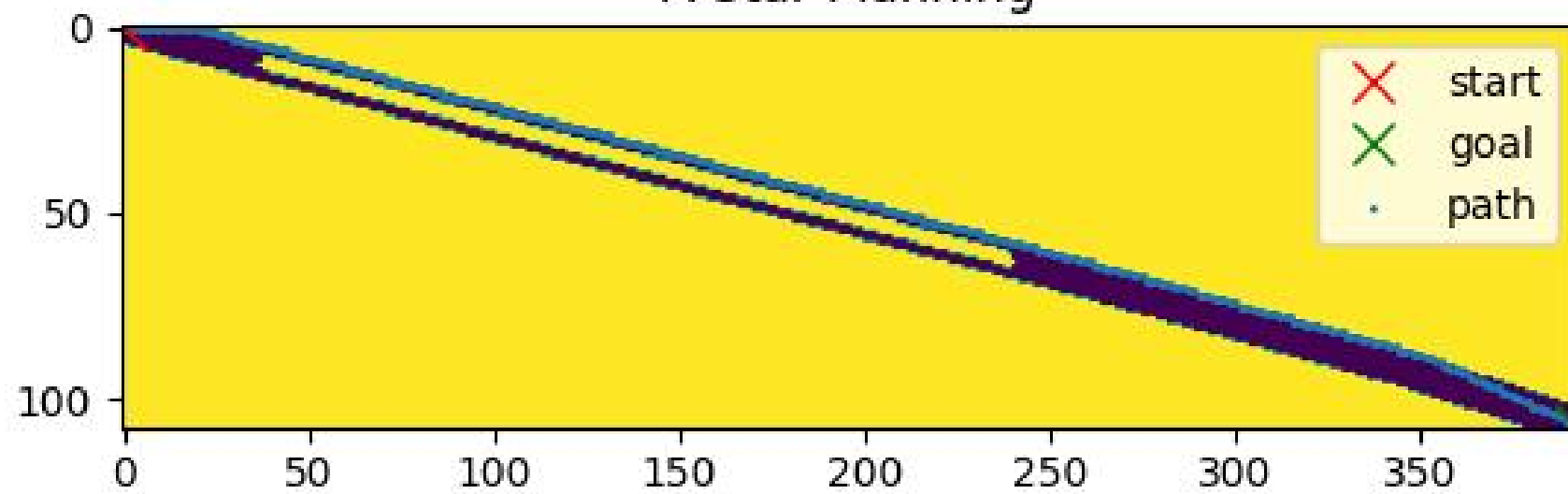
Console - All

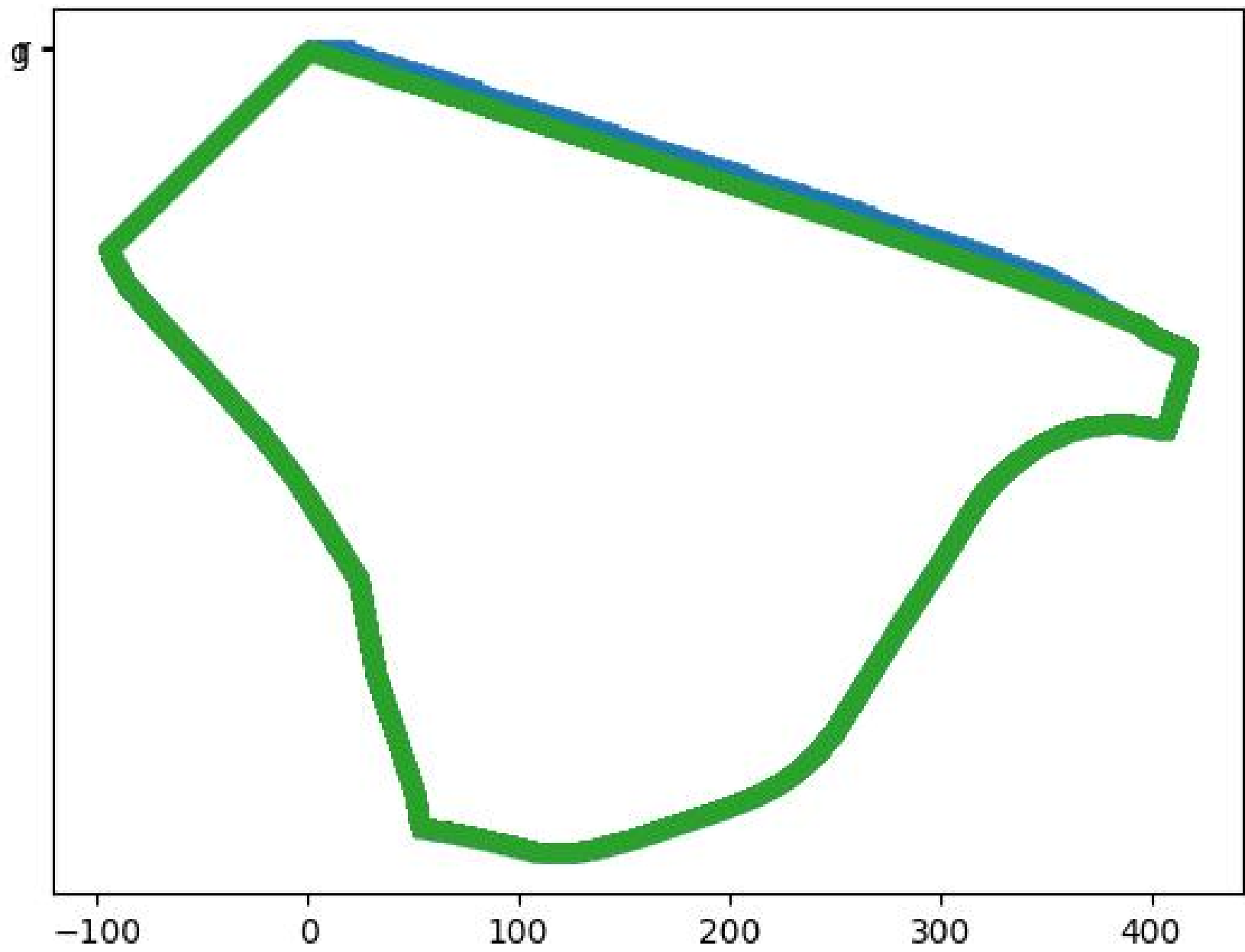
```
INFO: main: Starting controller: python.exe -u main.py
DEPRECATION: Robot.getDisplay is deprecated, please use Robot.getDevice instead.
DEPRECATION: Robot.getDisplay is deprecated, please use Robot.getDevice instead.
INFO: main: Starting controller: python.exe -u main.py
DEPRECATION: Robot.getDisplay is deprecated, please use Robot.getDevice instead.
DEPRECATION: Robot.getDisplay is deprecated, please use Robot.getDevice instead.
Evaluating...
Score for completing the loop: 30.0/30.0
Score for average distance: 30.0/30.0
Score for maximum distance: 30.0/30.0
Your time is 172.032
Your total score is : 100.0/100.0
total steps: 172032
maxMinDist: 4.147788455584971
.....
```

LQR Results

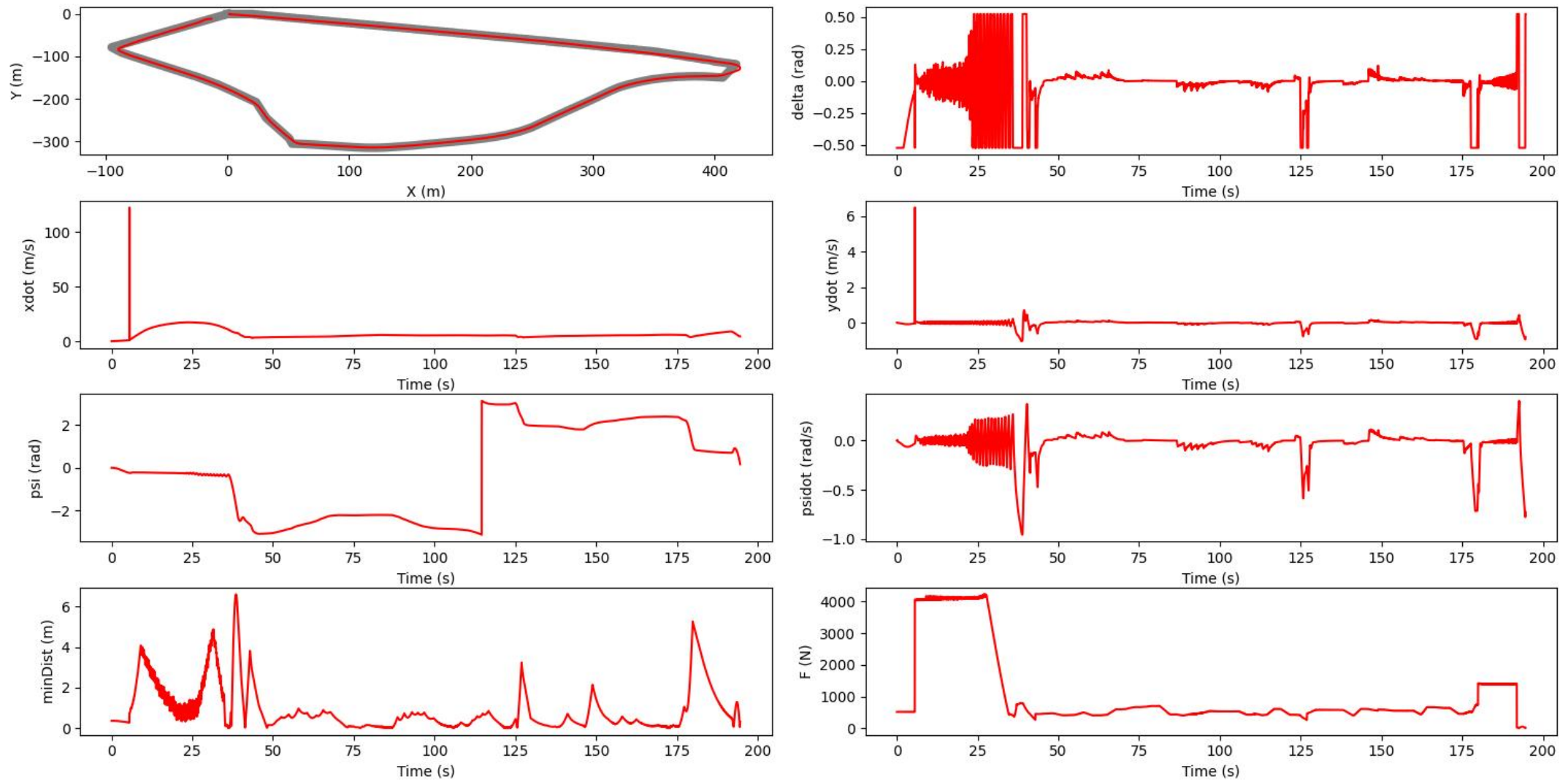


A Star Planning



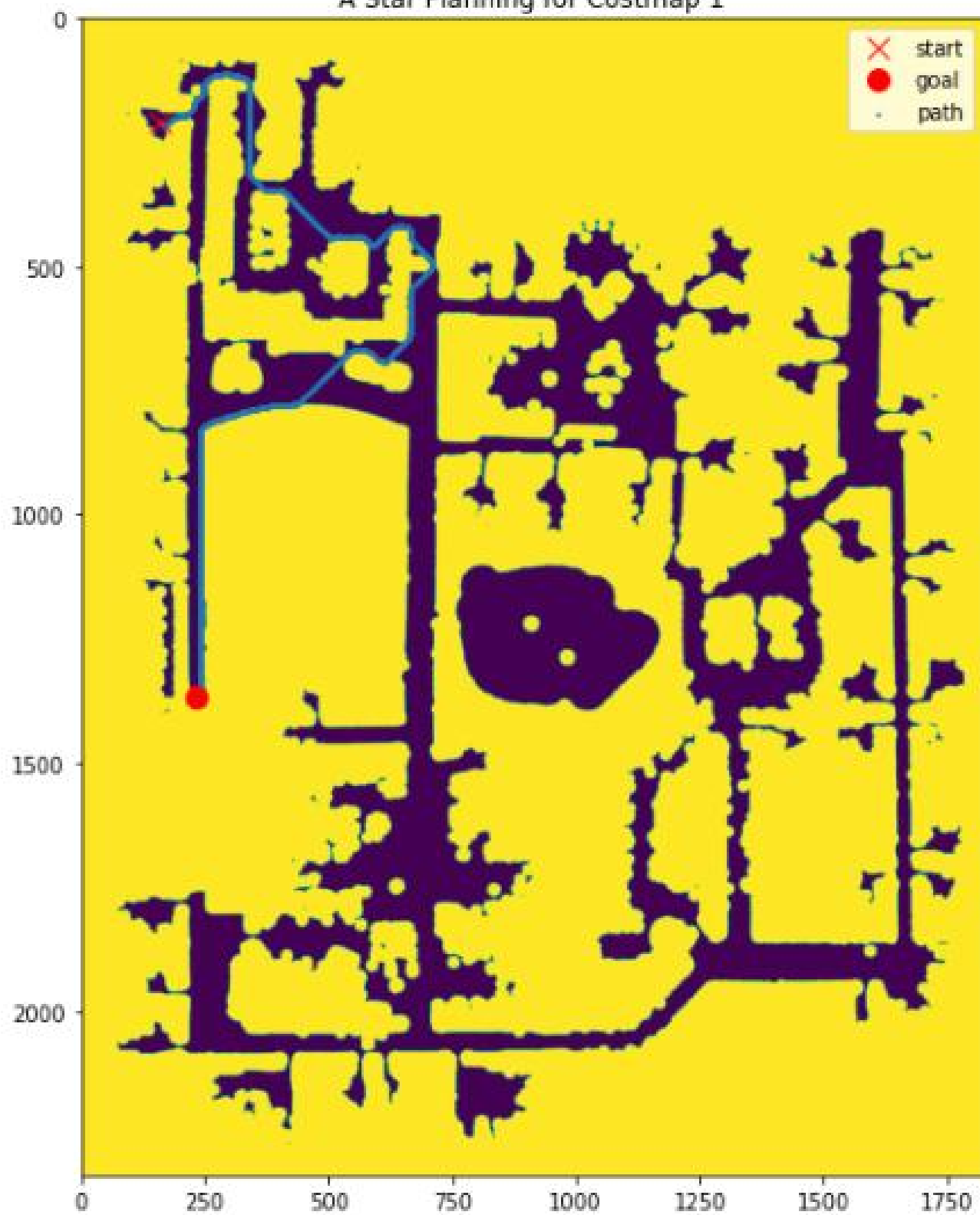


A star + LQR

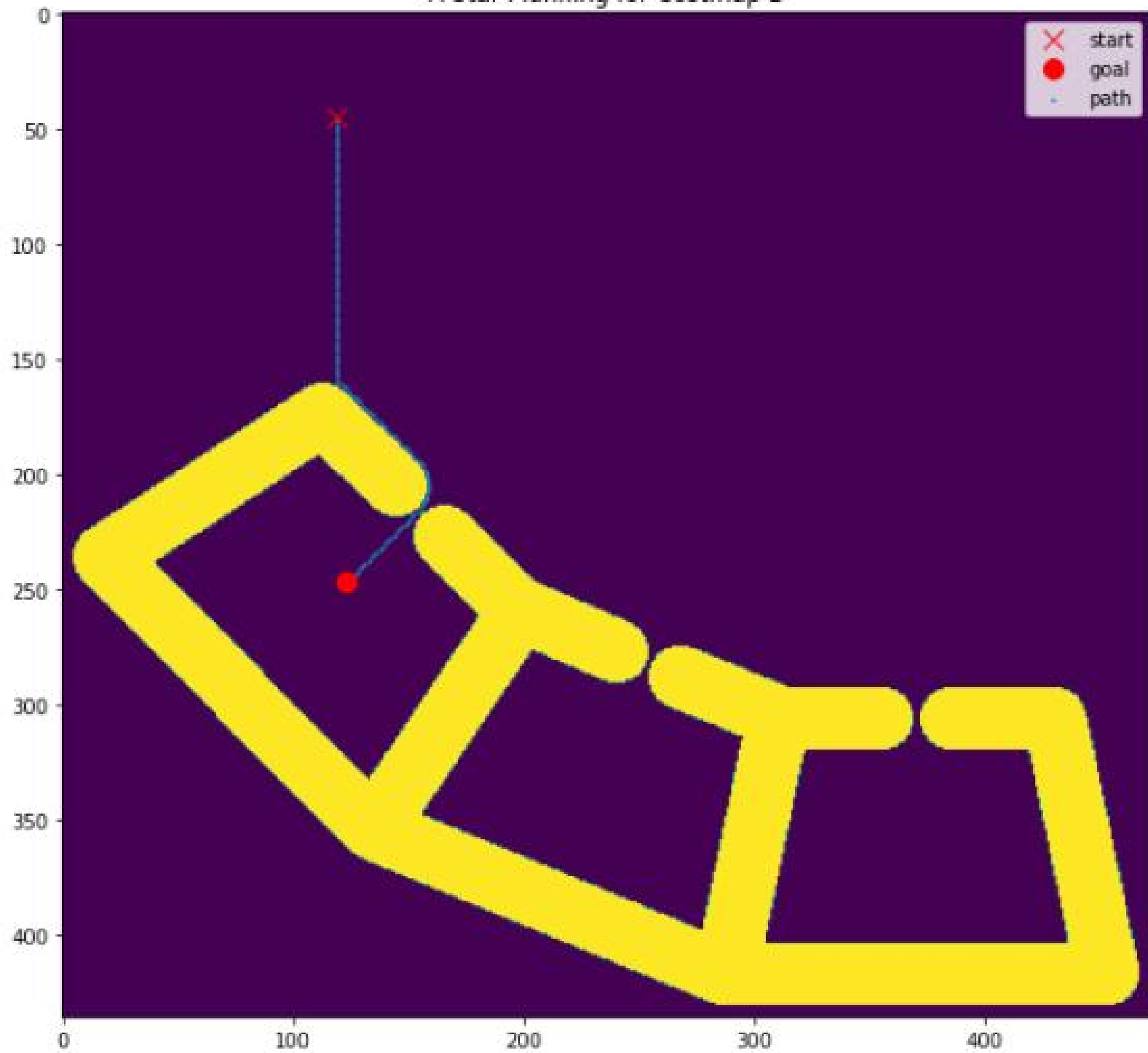


Time of completion less than 200 s

A Star Planning for Costmap 1



A Star Planning for Costmap 2



A Star Planning for Costmap 3

