Autonomous Driving Presentation

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pnc

Normal Case

route planning(hw)

Normal Case

route planning(hw)
velocity control(hw)

Normal Case

route planning(hw)
velocity control(hw)
turning(hw)

Normal Case

route planning(hw)
velocity control(hw)
turning(hw)
traffic light(whether go when it's yellow light)

Special Case

pedestrian
   deceleration
   waiting
   when turning

Special Case

pedestrian
  deceleration
  waiting
  when turning
vehicles
  avoid rear-end
  at crossroad

Other thinking

turn around

Other thinking

turn around
blocking the graph(delete the vertices of objects)

perception

perception

detect ground
  only consider points whose height is in $0 \sim 2m$

perception

detect ground
    only consider points whose height is in $0 \sim 2m$
use union set
    judge the shape
    speed up

Other thinking

detect road (regular points)(combine with camera)

Other thinking

detect road (regular points)(combine with camera)
points density

Thanks!