

## Squeezing through tight areas during avoidance #2931



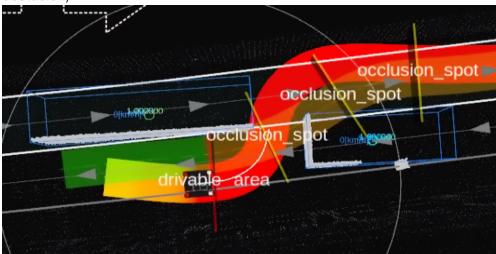
MrOCW asked this question in Q&A



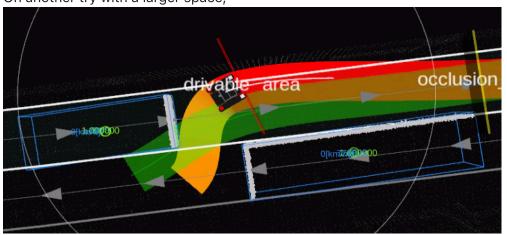
MrOCW on Oct 10, 2022

edited ▼

Hi, I am attempting to use autoware for a differential drive robot. In this image, the planner is attempting to plan through the tight space between the 2 obstacles during avoidance, which is what I am actually aiming for but the planned path causes the robot to go outside the road boundary. Are there any parameters that I can tune to improve this behavior? I have set steering angle to 1.57 but it cant make a tight left turn without turning right first to prepare. (Also, I'm pretty sure this path would lead to a collision with the 1st obstacle..)



On another try with a larger space,



Category



Q&A

Labels

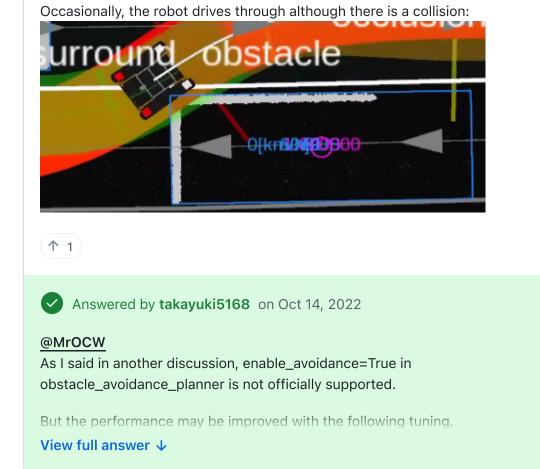
component:planning

4 participants





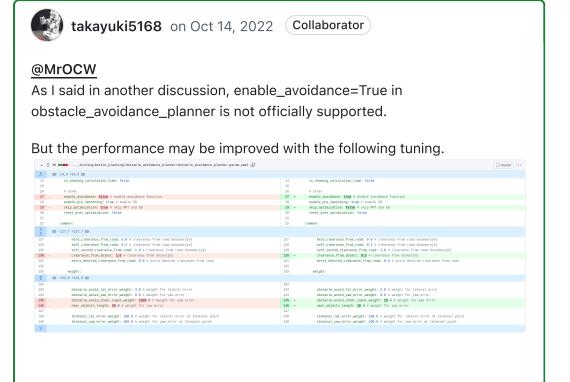




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PaGu3 on Nov 4, 2022

edited -

Hi @takayuki5168,

Is this autowareAuto or autoware.ai?, because i am using autoware.ai 1.14.0 and i couldn't find this folder or code in that. Thanks



takayuki5168 on Nov 4, 2022 (Collaborator)

This is in autoware.universe

https://github.com/autowarefoundation/autoware.universe/tree/main/pl anning/obstacle\_avoidance\_planner





PaGu3 on Nov 4, 2022

Thanks @takayuki5168, but i have a question that is obstacle avoidance possible in autoware.ai (without open planner)?



takayuki5168 on Nov 4, 2022 (Collaborator)

Sorry, I'm not familiar with autoware.ai. AWF will not support autoware.ai from next year. FYI: https://github.com/Autoware-AI Therefore, I recommend you using autoware.universe. If autoware.universe lacks some functions you were using, please open an issue.

Answer selected by MrOCW