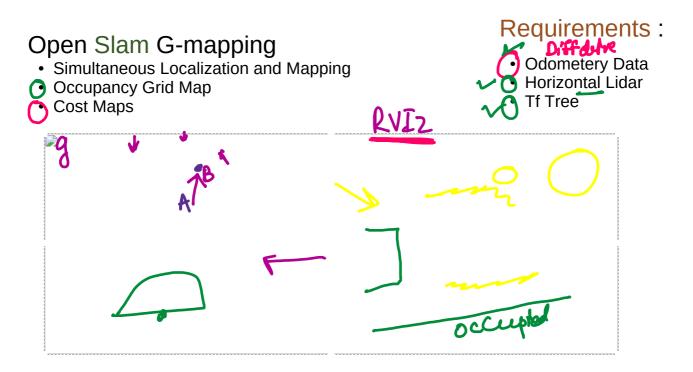
1/19/22, 11:06 AM OneNote

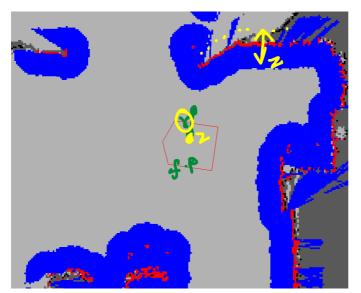
S#2 G mapping Slam

Sunday, October 24, 2021 11:49 AM



Cost Maps

- Red cells represent obstacles in the cost map,
- Blue cells represent obstacles inflated by the inscribed radius of the robot,
- Red polygon represents the footprint of the robot.



For the robot to avoid collision, the footprint of the robot should never intersect a red cell and the center point of the robot should never cross a blue cell.

https://wiki.ros.org/costmap_2d