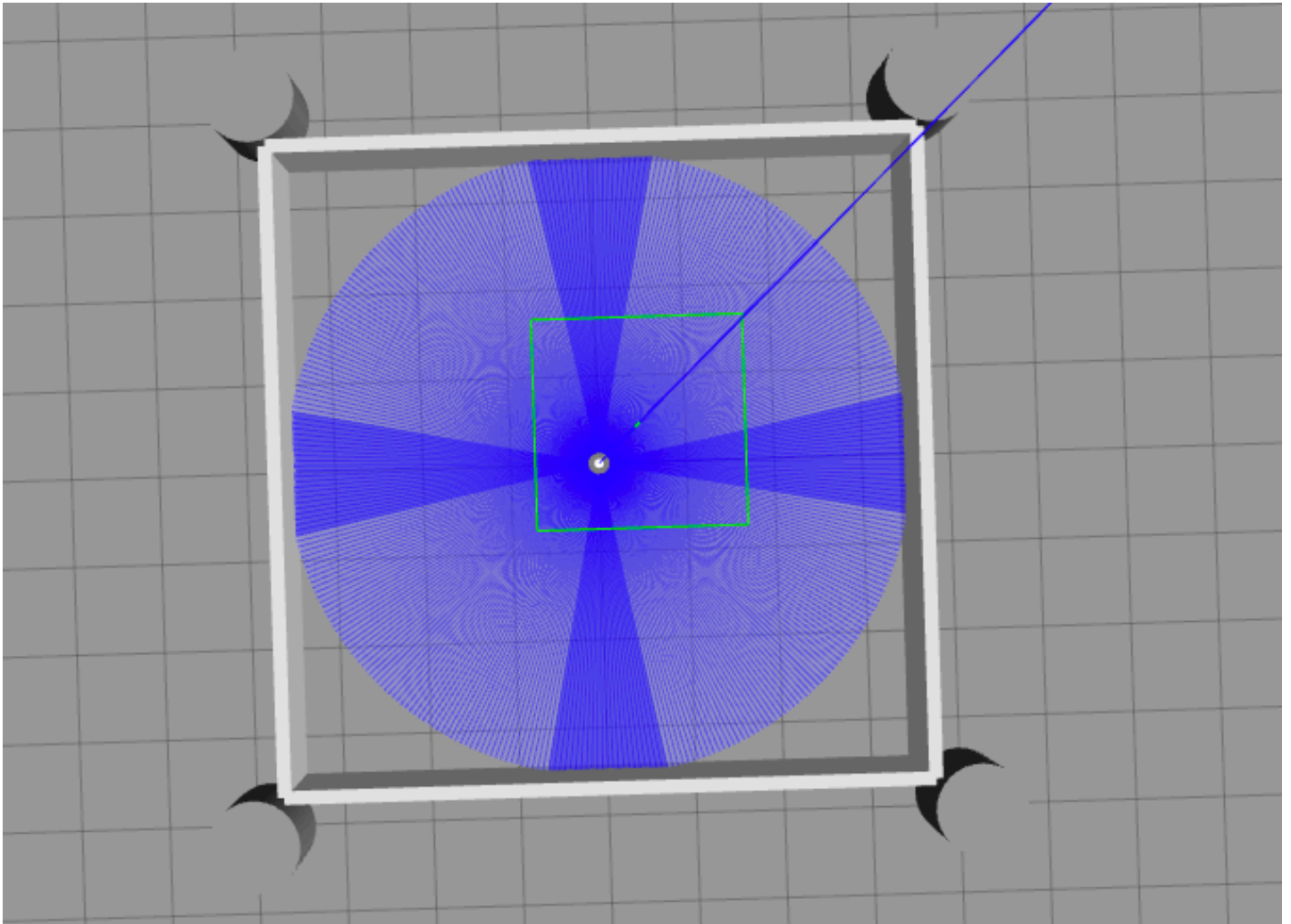


# Anton(Rover)

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Demo: <https://www.youtube.com/channel/UCQLYQkLfToPyjbYGML2pBFg>

Taiga Link: [https://tree.taiga.io/project/guitang-ser515\\_group3/timeline](https://tree.taiga.io/project/guitang-ser515_group3/timeline)

Google Drive: <https://drive.google.com/drive/folders/0AN6xGqfHp00kUk9PVA>

## How to Run?

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### Linux

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Ubuntu 20.04

1.Installing ROS 2 on Ubuntu Linux

<https://docs.ros.org/en/foxy/Installation/Ubuntu-Install-Binary.html>

2.Clone the repo

3.new a terminal and input commands below

```
python3 App.py
```

## Windows

---

1.Download VScode

2.Download docker

3.Clone the repo

4.Open the repo by using VScode

5.click the "reopen in the Docker" button

6.New a terminal and input commands below

```
colcon build  
. install/setup.bash  
ros2 launch Anton_description display_rviz2.launch.py
```

new terminal for robot control automatically

```
ros2 run Anton_description autoControl
```

new terminal for robot manually control

```
ros2 run Anton_description mC
```

## MacOS

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1.Download VScode

2.Download docker

3.Clone the repo

4.Open the repo by using VScode

5.click the "reopen in the Docker" button

6.New a terminal and input commands below

---

```
colcon build  
.  
install/setup.bash  
ros2 launch Anton_description display_rviz2.launch.py
```

7.new terminal for robot control automatically

```
ros2 run Anton_description autoControl
```

8.new terminal for robot manually control

```
ros2 run Anton_description mC
```