1. Установка ROS <http://wiki.ros.org/melodic/Installation/Ubuntu>

sudo sh -c 'echo "deb http://packages.ros.org/ros/ubuntu $(lsb\_release -sc) main" > /etc/apt/sources.list.d/ros-latest.list'

sudo apt install curl # if you haven't already installed curl

curl -s https://raw.githubusercontent.com/ros/rosdistro/master/ros.asc | sudo apt-key add -

sudo apt update

sudo apt install ros-melodic-desktop-full

echo "source /opt/ros/melodic/setup.bash" >> ~/.bashrc

source ~/.bashrc

sudo apt install python-rosdep python-rosinstall python-rosinstall-generator python-wstool build-essential

sudo apt install python-rosdep

sudo rosdep init

rosdep update

2. Установка mavros

sudo apt install ros-melodic-mavros\*

wget https://raw.githubusercontent.com/mavlink/mavros/master/mavros/scripts/install\_geographiclib\_datasets.sh

sudo bash ./install\_geographiclib\_datasets.sh

sudo rm -rf install\_geographiclib\_datasets.sh

3. Установка QgroundControl

sudo usermod -a -G dialout $USER

sudo apt-get remove modemmanager -y

sudo apt install gstreamer1.0-plugins-bad gstreamer1.0-libav gstreamer1.0-gl -y

cd

wget <https://s3-us-west-2.amazonaws.com/qgroundcontrol/latest/QGroundControl.AppImage>

chmod +x ./QGroundControl.AppImage

sudo mv QGroundControl.AppImage /usr/sbin/qgroundcontrol

Запуск: qgroundcontrol

4. Установка пакета для gazebo

sudo apt upgrade libignition-math2