树莓派 ROS 调试笔记

目录

[树莓派 ROS 调试笔记 1](#_Toc498898762)

[电机转速与实际速度转换笔记 2](#_Toc498898763)

[Pid调速 2](#_Toc498898764)

## 电机转速与实际速度转换笔记

Ros 树莓派发下来的是V mm/s

V mm/s = （Mn/Mratio \*（pi \*d））/ T

Mn ：电机转速 Mradio：转速比 pi：pi d ：轮子直径 T：时间 按1s算

Mn = cnt/44 44：电机一圈的脉冲 cnt ：实际脉冲速

电机调速使用的电机转速 r/min 上述求得的转速再乘以60转换为分钟

Mn = 22.03683584435324 \* Vmm/s

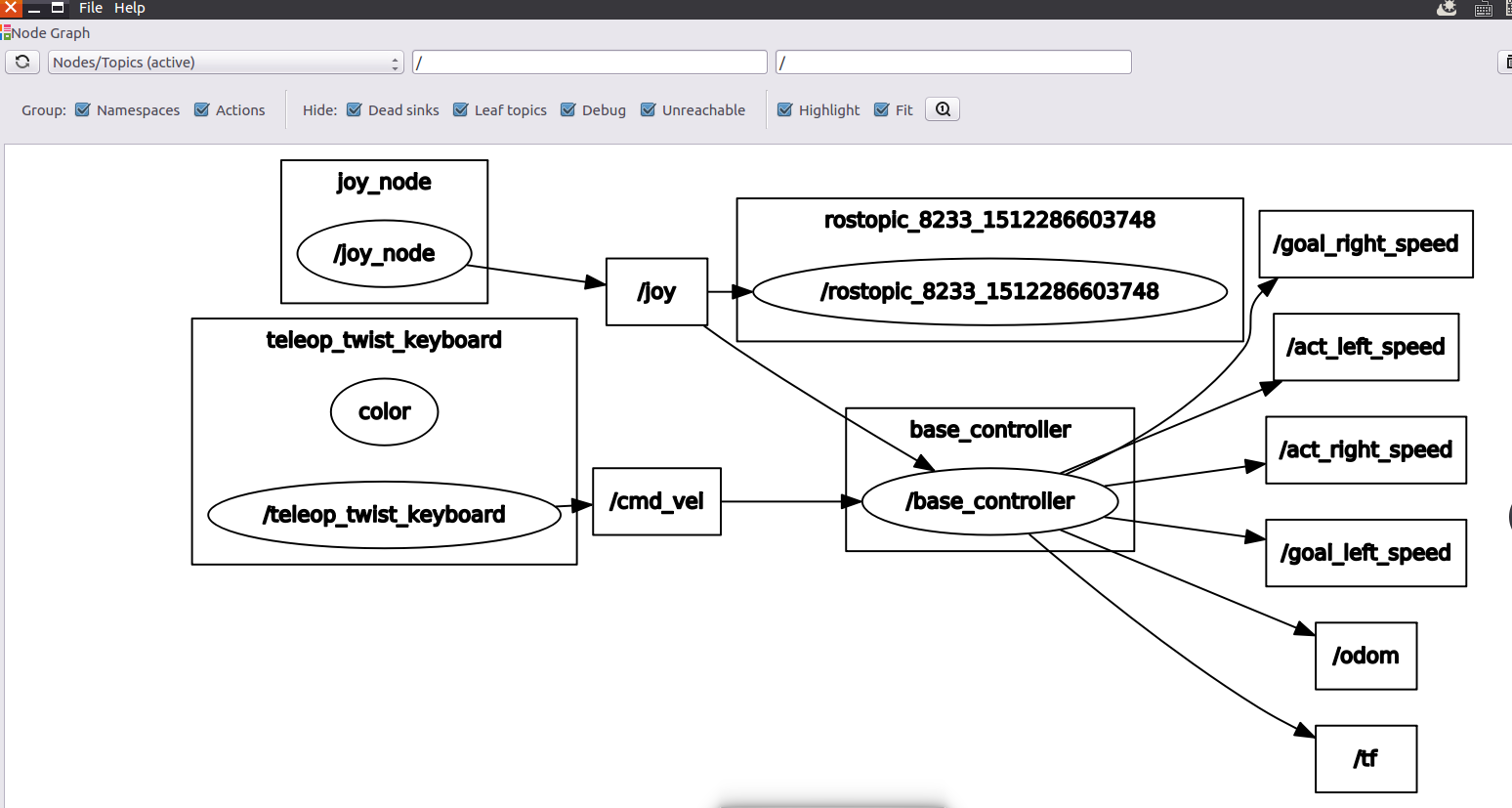
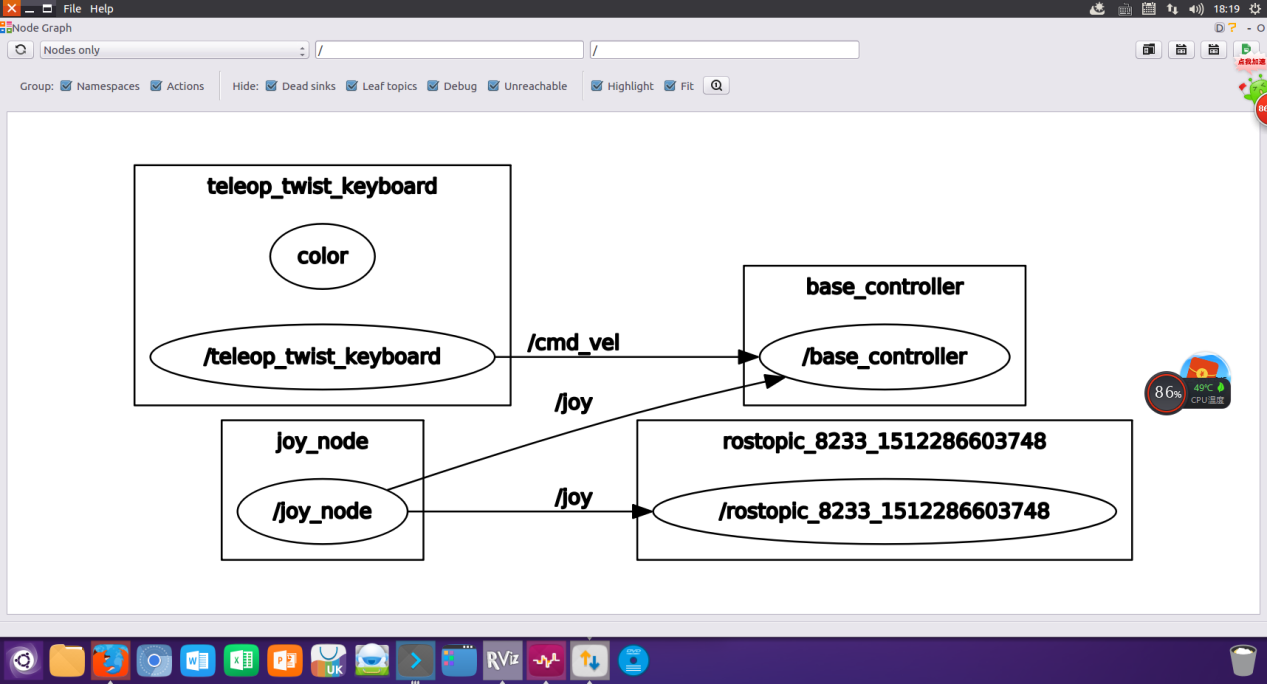
## Pid调速

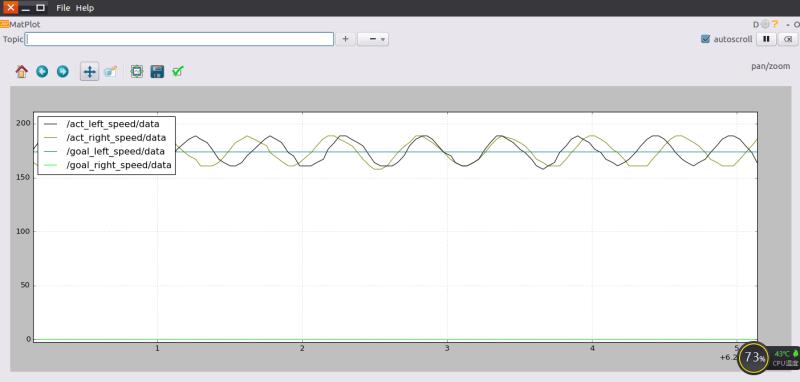
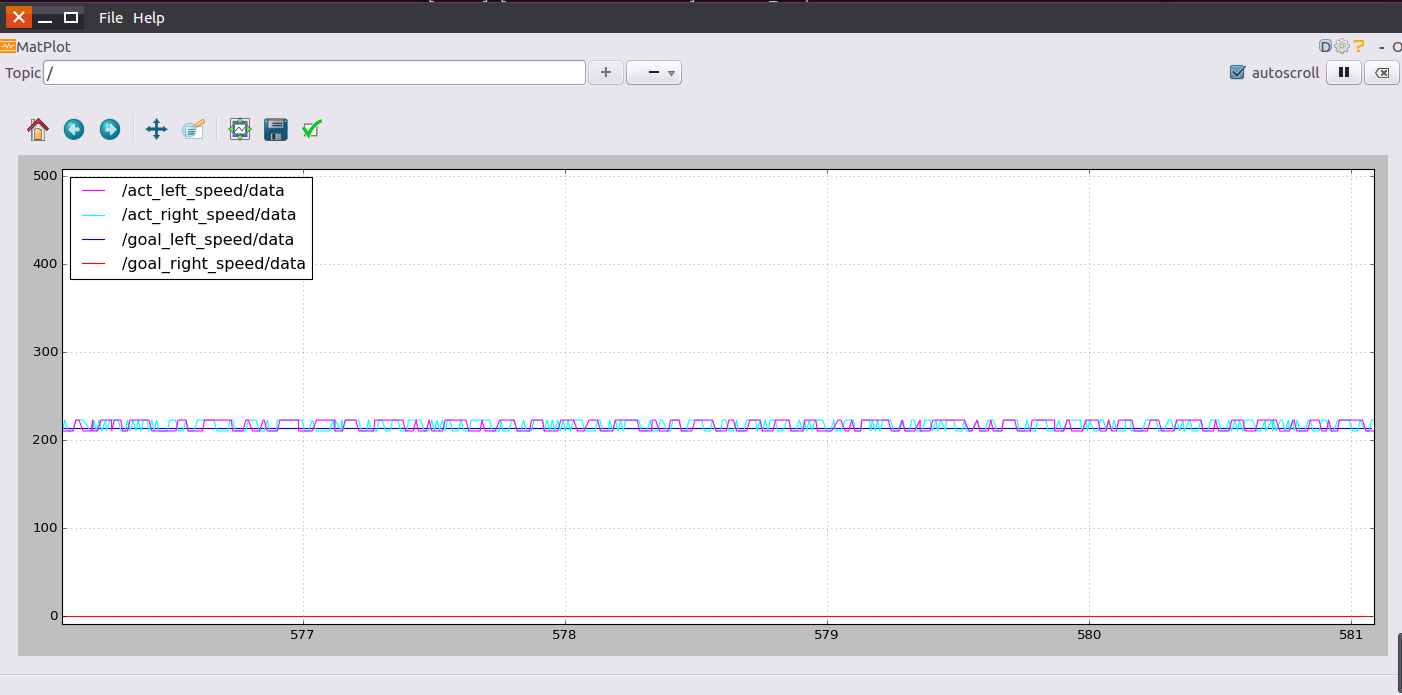
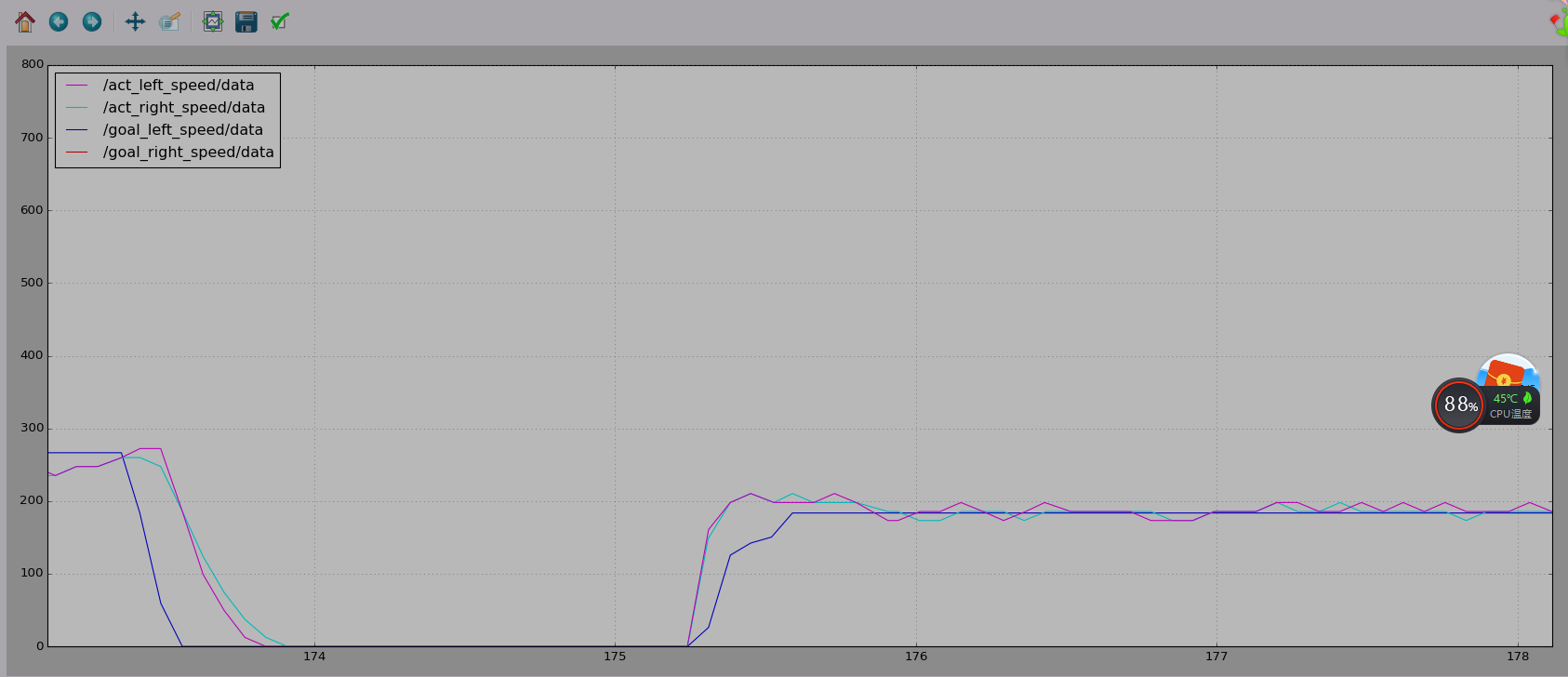
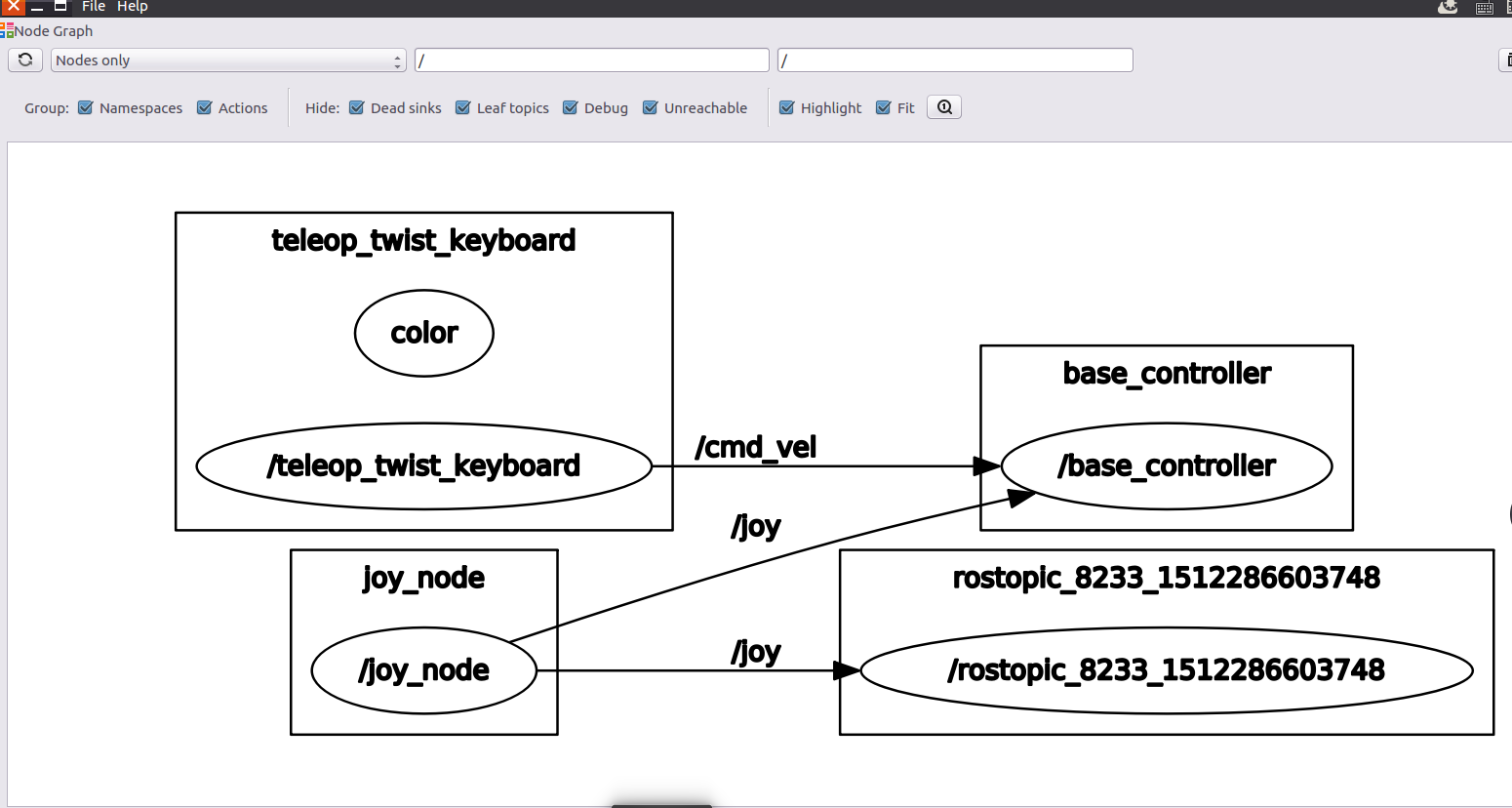
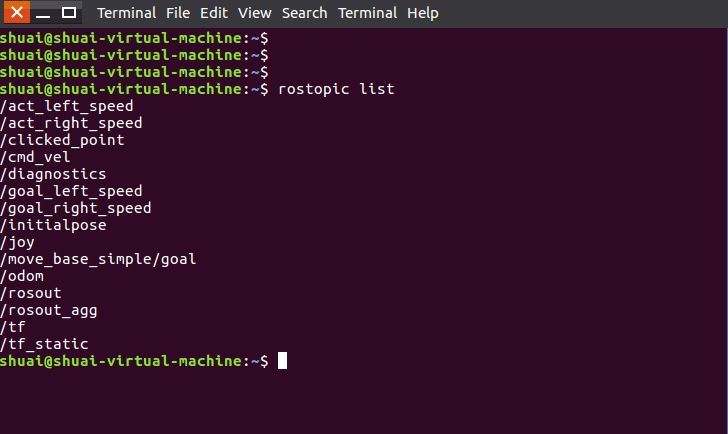
5ms调一次

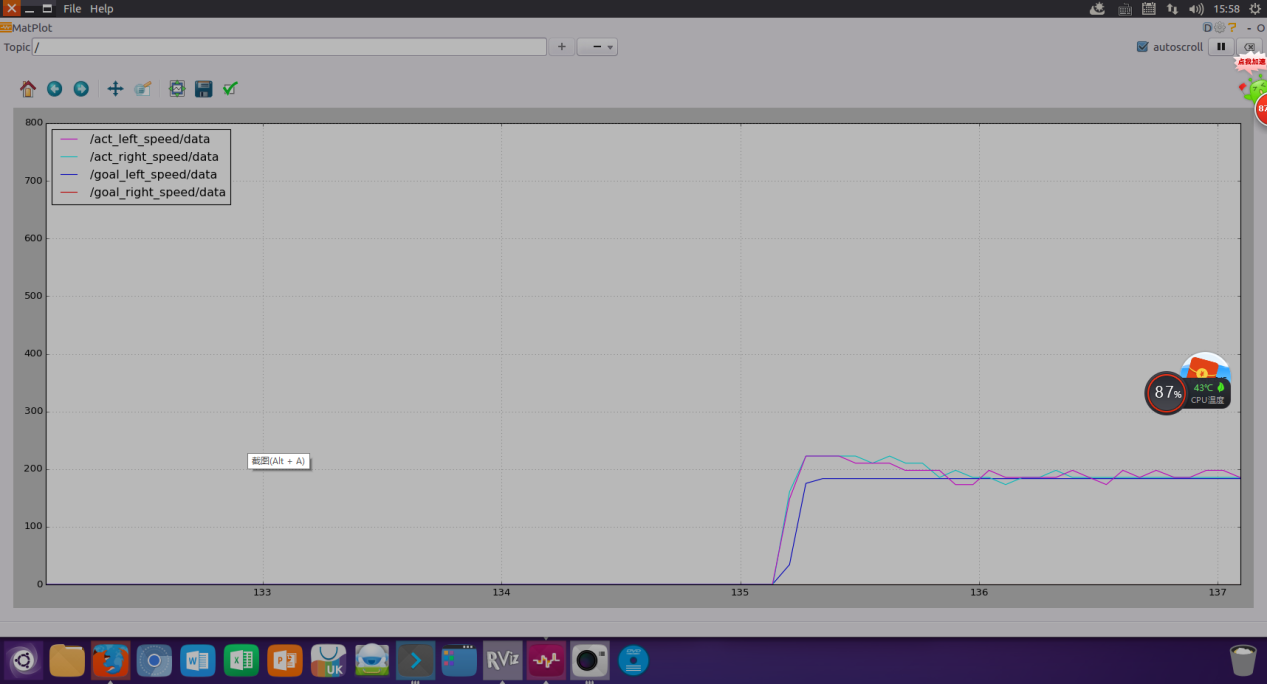
ROS 调试

cartographer 没运行起来demo 输入以下命令

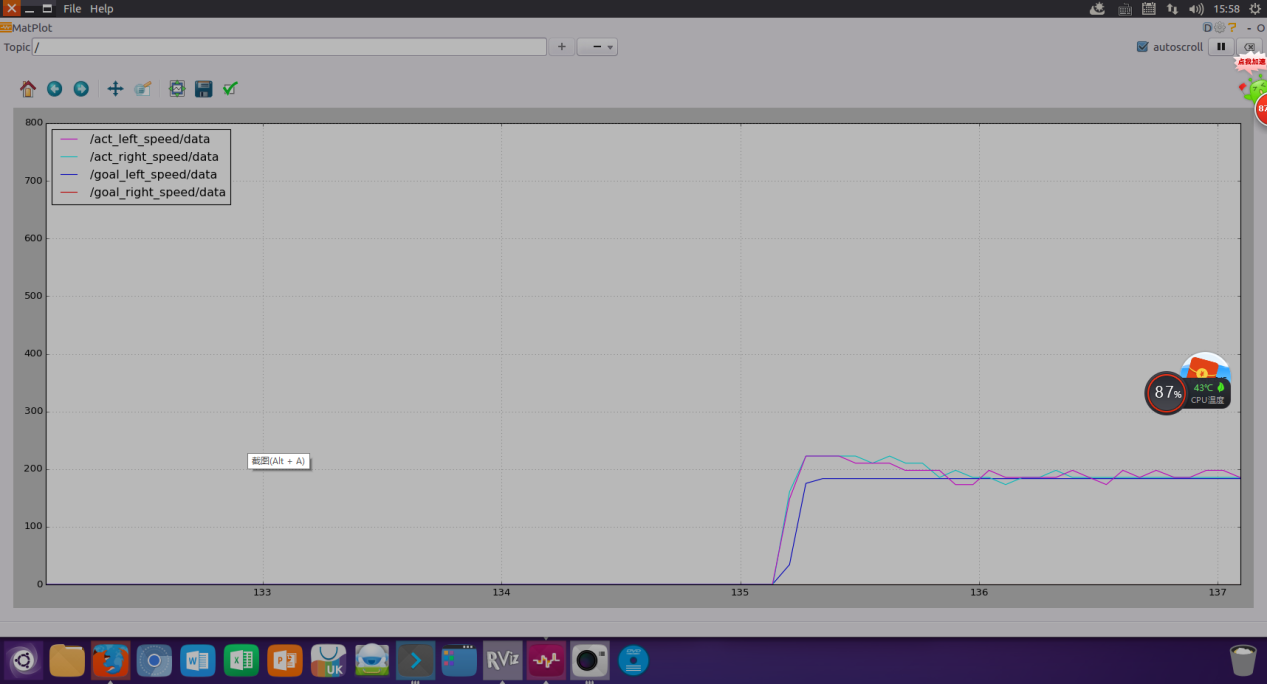
source devel\_isolated/setup.bash

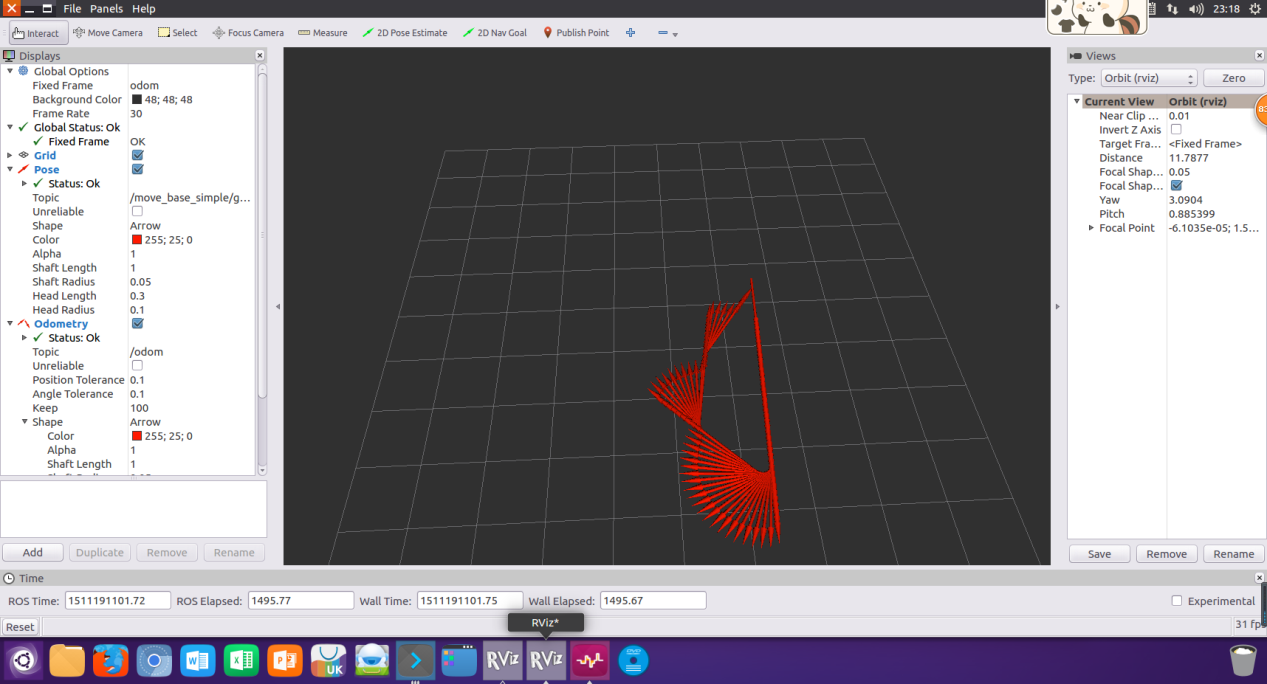
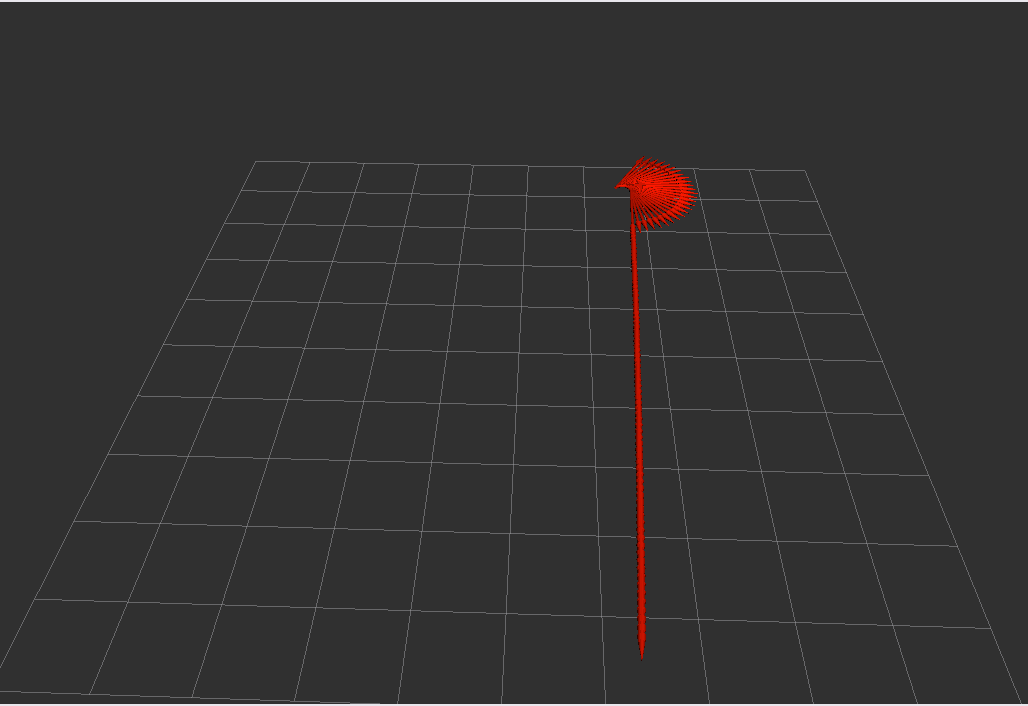
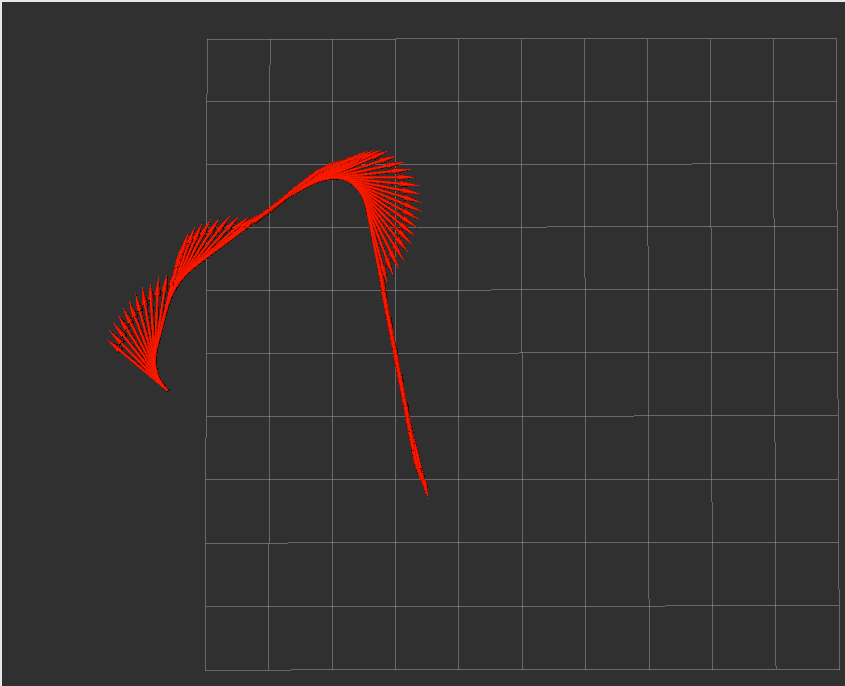


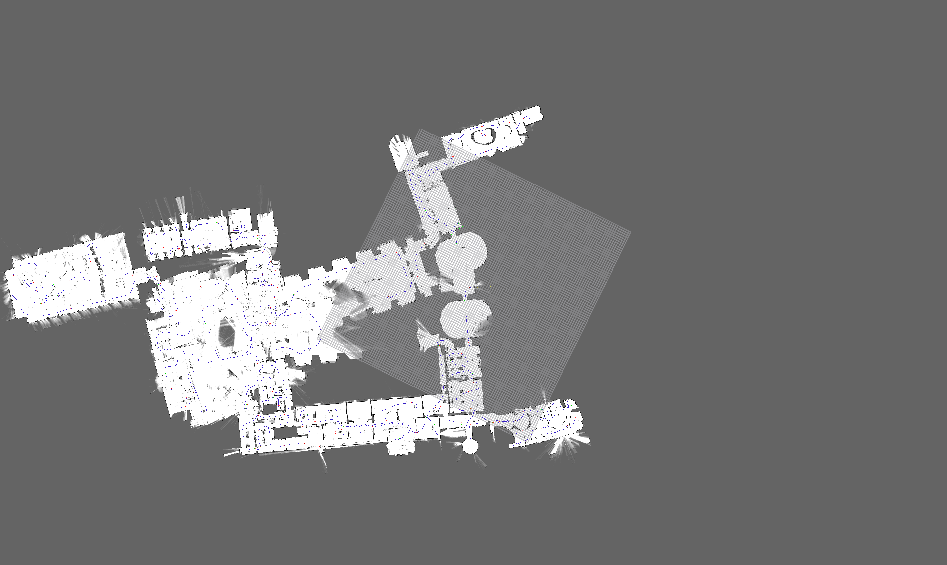












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