Note for running Julia on ROS:

Installation:

1. Install Julia terminal
2. Start Julia: /Applications/Julia-0.4.3.app/Contents/Resources/julia/bin/Julia (on Mac)
3. Install packages that are used in script using Pkg.add(“package\_name”) (JuMP, RobotOS, MAT, Interpolations, Ipopt, Polynomials, etc.)
4. It’s a good habit to test packages after installing them using Pkg.text(“package\_name”)
5. Run a script in Julia:
   1. Method 1 (when Julia is not started): /Applications/Julia-0.4.3.app/Contents/Resources/julia/bin/julia testController.jl
   2. Method 2 (when Julia is on): include("testController.jl")

Files:

1. testController.jl is for testing controller.jl
2. map\_julia.jl is a previous version for running with ROS
3. controller.jl contain codes for connecting with ROS