```
[4.0K] asl_gremlin_msgs
    [6.8K]
            CMakeLists.txt
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            include
       - [4.0K] asl_gremlin_msgs
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            msg
           361
                MotorAngVel.msg
           441
                 MotorCmd.msg
           36]
                 MotorPwm.msg
          145]
                 RefTraj.msg
           48]
                 VehicleState.msg
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           package.xml
   [4.0K]
            src
[4.0K] asl_gremlin_pkg
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    [4.0K]
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       - [ 656] rover_parameters.yaml
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        [4.0K] asl_gremlin_pkg
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           - [1.3K]
                     SubscribeTopic.h
    [4.0K]
            launch
       \cdot [1.9K] asl_gremlin_launch.launch
    [2.3K] package.xml
    [4.0K]
            src
        [4.0K] asl gremlin pkg
          — [ 678] GetParam.cpp
— [ 44] SubscribeTopic.cpp
[2.0K] CMakeLists.txt
[4.0K]
        controller
    [4.0K] cfg
      — [ 733] controllerGainSet.cfg
    [7.7K] CMakeLists.txt
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        [4.0K] controller
           - [2.8K]
                     BackSteppingController.h
            [5.5K]
                     BackSteppingController_main.h
           - [ 525]
                     ControllerBase.h
            [3.6K]
                     controller utilities.h
                     hdg_correct_final_v2.txt
            [8.1K]
                     OmegaToPWM.h
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                 angular vel to pwm node.cpp
                backstepping_controller_node.cpp
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                controller
                52] BackSteppingController.cpp
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                controllerGainSet client.cpp
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           – [ 937]
                     ForwardEuler.h
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                     Gps2xy.h
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encoder_to_pose.cpp
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               – [ 14K] left wheel angular vel.pdf
               - [ 537] plot_ang_vel.plt
- [ 245] plot_pose_from_encoder.plt
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[ 14K] pose_from_encoder_ticks.pdf
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                    [4.0K] matlab data
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                                                  encoder_data.txt
                                   17K]
                                                  omega from encoder.txt
                                                 pose_encoder.txt
                              [ 19K]
                                                reference_trajectory.txt
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test_encoder_to_pose.cpp
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test_publish_feedback_selected.cpp
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test_SubscribeTopic.cpp
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                        — [ 267] uti<del>l</del>ities.h
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                   [4.0K] utility_pkg
                        — [1.8K] CmdArgParser.cpp
                        — [1.0K] CHARLES CONTROL CONTR
                        — [ 35] str_manip.cpp
— [ 679] utilities.cpp
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44 directories, 109 files