

- [4.0K] **asl_gremlin_msgs**
 - [6.8K] CMakeLists.txt
 - [4.0K] **include**
 - [4.0K] **asl_gremlin_msgs**
 - [4.0K] **msg**
 - [36] MotorAngVel.msg
 - [44] MotorCmd.msg
 - [145] RefTraj.msg
 - [48] VehicleState.msg
 - [2.5K] package.xml
 - [4.0K] **src**
- [4.0K] **asl_gremlin_pkg**
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 - [4.0K] **config**
 - [1.6K] default.yaml
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 - [415] StartSim.h
 - [4.0K] **launch**
 - [99] asl_gremlin_launch.launch
 - [2.2K] package.xml
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 - [4.0K] **asl_gremlin_pkg**
 - [495] StartSim.cpp
- [2.0K] CMakeLists.txt
- [4.0K] **controller**
 - [4.0K] **cfg**
 - [733] **controllerGainSet.cfg**
 - [7.1K] CMakeLists.txt
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 - [4.0K] **controller**
 - [2.8K] BackSteppingController.h
 - [4.7K] BackSteppingController_main.h
 - [459] ControllerBase.h
 - [187] controller_utilities.h
 - [362] OmegaToPWM.h
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 - [577] backstepping_controller.cpp
 - [4.0K] **controller**
 - [47] BackSteppingController.cpp
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 - [3.9K] controllerGainSet_client.cpp
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 - [797] **feedbackSelect.cfg**
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 - [3.3K] EncoderDataToOmega.h
 - [4.0K] FeedbackSelected.h
 - [914] ForwardEuler.h
 - [636] GetCompassHdg.h
 - [649] GetConvertedOmega.h
 - [1.1K] Gps2xy.h
 - [6.5K] vector_arithmetic.h
 - [2.7K] package.xml
 - [4.0K] **src**
 - [2.3K] encoder_data_stamped.cpp
 - [1.5K] encoder_data_to_omega.cpp
 - [3.1K] encoder_to_pose.cpp
 - [412] feedback_selected.cpp
 - [2.7K] gps_to_pose.cpp
 - [4.0K] **state_feedback**
 - [1.6K] EncoderDataToOmega.cpp
 - [45] FeedbackSelected.cpp
 - [41] ForwardEuler.cpp
 - [316] GetCompassHdg.cpp
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- [4.0K] **test_asl_gremlin**
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 - [9.7K] reference_traj.dat
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- [4.0K] **trajectory_generation**
 - [4.0K] **cfg**
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 - [7.6K] CMakeLists.txt
 - [4.0K] **include**
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- [4.6K] MinimumJerkTrajectory.h
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 - [4.0K] **launch**
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 - [4.0K] **trajectory_generation**
 - [1.1K] DistanceToWaypoint.cpp
 - [57] MinimumJerkTrajectory.cpp
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 - [0] tree_view.html
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 - [4.0K] **utility_pkg**
 - [6.8K] CMakeLists.txt
 - [4.0K] **include**
 - [4.0K] **utility_pkg**
 - [656] CmdArgParser.h
 - [1.3K] custom_algorithms.h
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 - [2.1K] package.xml
 - [4.0K] **src**
 - [4.0K] **utility_pkg**
 - [1.8K] CmdArgParser.cpp
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40 directories, 84 files