

- [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
 - [36] MotorPwm.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
 - [4.0K] **include**
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 - [415] StartSim.h
 - [4.0K] **launch**
 - [99] asl_gremlin_launch.launch
 - [2.3K] package.xml
 - [4.0K] **src**
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 - [495] StartSim.cpp
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- [4.0K] **controller**
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 - [733] **controllerGainSet.cfg**
 - [7.7K] CMakeLists.txt
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 - [2.8K] BackSteppingController.h
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 - [525] ControllerBase.h
 - [187] controller_utilities.h
 - [558] GetRefTraj.h
 - [630] GetSelectedFeedback.h
 - [742] OmegaToPWM.h
 - [2.6K] package.xml
 - [4.0K] **src**
 - [958] angular_vel_to_pwm_node.cpp
 - [1.6K] backstepping_controller_node.cpp
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 - [52] BackSteppingController.cpp
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- [4.0K] **state_feedback**
 - [4.0K] **cfg**
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 - [8.1K] CMakeLists.txt
 - [4.0K] **include**
 - [4.0K] **state_feedback**
 - [570] custom_type_traits.h
 - [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
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 - [45] FeedbackSelected.cpp
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 - [316] GetCompassHdg.cpp
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- [4.0K] **test_asl_gremlin**
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 - [2.3K] test_polynomial_evaluation.cpp
- [4.0K] **trajectory_generation**

- [4.0K] **cfg**
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- [7.6K] CMakeLists.txt
- [4.0K] **include**
 - [4.0K] **trajectory_generation**
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 - [1.7K] EvaluatePolynomial.h
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 - [641] TrajectoryBase.h
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- [4.0K] **launch**
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 - [1.1K] DistanceToWaypoint.cpp
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- [0] tree_view.html
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 - [656] CmdArgParser.h
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 - [2.1K] package.xml
 - [4.0K] **src**
 - [4.0K] **utility_pkg**
 - [1.8K] CmdArgParser.cpp
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