nav2_core::Controller
lack
cl_nav2z::backward _local_planner::BackwardLocal Planner
- nh_ - name
- backwardsPlanPath_ - costmapRos_
- tf_ - goalMarkerPublisher
- planPub_
- k_rho_ - k_alpha_
- k_betta_ - pure_spinning_allowed
_betta_error_ - linear_mode_rho_error
threshold -alpha_offset_
- betta_offset_ - max_linear_x_speed_
- max_angular_z_speed_ - yaw_goal_tolerance_
- xy_goal_tolerance_ - carrot_distance
- carrot_angular_distance_ - divergenceDetectionLastCarrot
LinearDistance transform tolerance
- waitingTimeout_ - waitingStamp_
- goalReached_ - initialPureSpinningStage_
- straightBackwardsAndPure
SpinningMode_ - enable_obstacle_checking_
- inGoalPureSpinningState_ - waiting_
- currentCarrotPoseIndex_
+ BackwardLocalPlanner() + ~BackwardLocalPlanner()
+ configure() + activate()
+ deactivate() + cleanup()
+ setPlan() + computeVelocityCommands()
+ isGoalReached() + setSpeedLimit()
- updateParameters() - findInitialCarrotGoal()
- updateCarrotGoal() - resamplePrecisePlan()
- straightBackwardsAndPure SpinCmd()
- clearMarkers()
- publishGoalMarker() - computeCurrentEuclideanAnd
AngularErrorsToCarrotGoal() - checkGoalReached()
- checkCurrentPoseInGoalRange() - resetDivergenceDetection()
- divergenceDetectionUpdate()- checkCarrotHalfPlainConstraint()
- generateTrajectory() - computeNewPositions()