nav core::BaseLocalPlanner Δ cl_move_base_z::backward local_planner::BackwardLocalPlanner paramServer - backwardsPlanPath costmapRos - goalMarkerPublisher k_rho k_alphak_betta pure_spinning_allowed betta error - linear_mode_rho_error threshold goalReached - initialPureSpinningStage straightBackwardsAndPure SpinningMode - enable_obstacle_checking_ - inGoalPureSpinningState alpha_offset_ -betta offset - yaw_goal_tolerance -xy goal tolerance - carrot distance carrot angular distance divergenceDetectionLastCarrot LinearDistance - max_linear_x_speed - max_angular_z_speed currentCarrotPoseIndex waiting - waitingTimeout waitingStamp_ + BackwardLocalPlanner() + ~BackwardLocalPlanner() + computeVelocityCommands() + isGoalReached() + setPlan() + initialize() + initialize() + initialize() reconfigCB() findInitialCarrotGoal() updateCarrotGoal() - resamplePrecisePlan() - straightBackwardsAndPure SpinCmd() defaultBackwardCmd() publishGoalMarker() - computeCurrentEuclideanAnd AngularErrorsToCarrotGoal() - checkCurrentPoseInGoalRange() resetDivergenceDetection() - divergenceDetectionUpdate() - checkCarrotHalfPlainConstraint() - generateTrajectory()

computeNewPositions()