#! /usr/bin/env python

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PACKAGE='turtlebot\_follower'

import math

from dynamic\_reconfigure.parameter\_generator\_catkin import \*

gen = ParameterGenerator()

gen.add("min\_x", double\_t, 0, "The minimum x position of the points in the box.", -0.20, -3.0, 3.0)

gen.add("max\_x", double\_t, 0, "The maximum x position of the points in the box.", 0.20, -3.0, 3.0)

gen.add("min\_y", double\_t, 0, "The minimum y position of the points in the box.", 0.10, -1.0, 3.0)

gen.add("max\_y", double\_t, 0, "The maximum y position of the points in the box.", 0.50, -1.0, 3.0)

gen.add("max\_z", double\_t, 0, "The maximum z position of the points in the box.", 0.8, 0.0, 3.0)

gen.add("goal\_z", double\_t, 0, "The distance away from the robot to hold the centroid.", 0.6, 0.0, 3.0)

gen.add("x\_scale", double\_t, 0, "The scaling factor for translational robot speed.", 1.0, 0.0, 3.0)

gen.add("z\_scale", double\_t, 0, "The scaling factor for rotational robot speed.", 5.0, 0.0, 10.0)

exit(gen.generate(PACKAGE, "turtlebot\_follower\_dynamic\_reconfigure", "Follower"))