# General Use

Math Functions

corrected\_atan(double rise, double run)

Takes in rise over run as a slope and returns the angle in radians. It take account for when the slope is undefined and zero.

rad(double, deg)

Take in degrees and multiplies it by PI/180 and returns it.

absf(double value)

An absolute value functions for doubles and floats.

modf(double input1, double input2)

In a similar fashion, a mod function for doubles and floats.

Odometry

reset\_all()

Sets all odometry related variables to 0.

reset\_pos(double new\_left, double new\_right, double new\_x = 0, double new\_y = 0, double new\_theta = 0)