



Localization

implements Runnable

Odometer odometer

SampleProvider usDistance
SampleProvider sensorVal
SampleProvider sensorVal2

float[] usData
float[] sensorValData
float[] sensorValData2

int track
int wheel_rad
int ROTATE_SPEED
int FORWARD_SPEED
int fullRotation
int halfRotation
int DISTANCE_RANGE
int sensorOffset

boolean keepGoing

double currentCoordinates
double angleBeta
double currentAngle
double finalAngle
double initialAngle
double firstFallingEdge
double secondFallingEdge
double previousReading []

public void run()

private void usLocalization()

private void lsLocalization()

void turnTo(double theta)

private static int convertDistance(double radius, double distance)

private static int convertAngle(double radius, double width, double angle)

TravelToTree

implements Runnable

//To be implemented

RingRetrieval

implements Runnable

//To be implemented

TravelBack

implements Runnable

//To be implemented

RingUnload

implements Runnable

//To be implemented

Author: Maxime Cardinal

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Edit:

Maxime Cardinal-October 22nd-Creation of the
preminilary diagram