dataHandler

- scans:vector<double>

+ dataHandler():void
+ virtual ~dataHandler():void
+ importData(string file):void
+ genXMat():vector<double>
+ genYMat():vector<double>
+ genRMat():vector<double>

objectDetector

- centroids: vector<double>
- centroidPos: vector<int>
- maxDetects: int
- helper : dataHandler

+ explicit objectDetector(dataHandler &dh):void
+ virtual ~objectDetector():void
+ findCluster():void
+ getLoss(double &v1):vector<double>
+ findClusterLocX():vector<double>
+ findClusterLocY():vector<double>