Package com._604robotics.robot2012.vision

Class Summary

Class	Description
AABB	An Axis-Aligned Bounding Box.
DistanceCalculations	This code does the 2D-to-3D calculations
Img	A simple class for accessing 2d data in a 1d array, with bounds checking.
LinearRegression	Accepts a sequence of pairs of real numbers and computes the best fit (least squares) line y = ax + b through the set of points.
LinearRegression.BackwardsRegressionResult	A regression result that, instead of having y as a function of x has x as a function of y.
LinearRegression.RegressionResult	A regression result that indicates the line that best matches a given set of data.
Point2d	This represents a Point in 2d space
Point3d	This represents a point in 3d space
Quad	A class representing a Quadrilateral, with four corner points.
Result	This class stores one tile of "is in target" data.
Result.AntiResult	A result indicating that it is unlikely that the target lies in the indicated tile
Result.PlusResult	A result indicating that it is likely that the target lies in the indicated tile
ResultImage	A result image that holds an image of how well pixels match the expected color of the vision target.
Target	This class represents a physical vision Target with four main attributes (x, y, z, angle).
VisionDisp	This class is used to display a camera image and some debug information along with it.
VisionProcessing	The main class for processing camera vision on our 2012 robot.