

Point3D

x: double
y: double
z: double

+ getX(): double
+ getY(): double
+ getZ(): double
+ getVector(Point3D):
Vector
+ toString(): String

Vector

x: double
y: double
z: double

+ getX(): double
+ getY(): double
+ getZ(): double
+ getNormalVector(Vector): Vector

Plane3D

a: double
b: double
c: double
d: double

+ getDistance(Point3D): double
+ toString(): String

PointCloud

+ addPoint(Point3D): void
+ getPoint(): Point3D
+ save(String): void
+ iterator(): Iterator<Point3D>

Plane RANSAC

eps: double

+ setEps(double): void
+ getEps(): double
+ getNumberOfIterations(double, double): int
- findNumOfNeighbors(Plane3D): int
- getCloudFromPlane(double): PointCloud
+ run(int, String): void