

com._604robotics.robot2012.aiming

Class Aiming

java.lang.Object
com._604robotics.robot2012.aiming.Aiming

```
public class Aiming
extends Object
```

Utility class for various aiming functions and such.

Author:

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Field Summary

Fields

Modifier and Type	Field and Description
static Aiming	defaultAiming

Constructor Summary

Constructors

Constructor and Description
Aiming()

Method Summary

Methods

Modifier and Type	Method and Description
PointAndAngle3d	getAngleAndRelXYZOfTarget (double x1, double y1, double x2, double y2, double x3, double y3, double x4, double y4) Get the angle from the targets, and the relative distances of the corners of the target as perceived by the camera.
double	getAngleOfTarget (double x1, double y1, double x2, double y2, double x3, double y3, double x4, double y4, double z) This function gets the direction the target is facing, relative to the camera.
Point3d	getRelXYZOfTarget (double x1, double y1, double w, double h) Remember that this requires the camera to be "perfectly" flat, and the targets to be "perfectly" vertical.
Point3d	getRelXYZOfTarget (Target t)

Methods inherited from class java.lang.Object

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

Field Detail

[defaultAiming](#)

```
public static final Aiming defaultAiming
```

Constructor Detail

[Aiming](#)


```
double x4,  
double y4)
```

Get the angle from the targets, and the relative distances of the corners of the target as perceived by the camera.

Parameters:

x1 -

y1 -

x2 -

y2 -

x3 -

y3 -

x4 -

y4 -

Returns:

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