

com.\_604robotics.robot2012.rotation

## Class SlightlySmarterRotationProvider

java.lang.Object  
com.\_604robotics.robot2012.rotation.SlightlySmarterRotationProvider

All Implemented Interfaces:

RotationProvider

```
public class SlightlySmarterRotationProvider
extends Object
implements RotationProvider
```

A slightly smarter implementation of a rotation provider, which tries to account for network delay, etc.

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Constructor Summary

Constructors

Constructor and Description
<b>SlightlySmarterRotationProvider</b> (PIDController controller, CameraInterface cameraInterface, Encoder encoderTurret) Initializes a new SlightlySmarterRotationProvider.

Method Summary

Methods

Modifier and Type	Method and Description
void	<b>setDefaultPosition</b> (double defaultPosition) Sets the "default" position, if no targets can be located.
boolean	<b>update</b> () Updates the aiming of the turret.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

**SlightlySmarterRotationProvider**

```
public SlightlySmarterRotationProvider(PIDController controller,
                                       CameraInterface cameraInterface,
                                       Encoder encoderTurret)
```

Initializes a new SlightlySmarterRotationProvider.

Parameters:

controller

 - The PIDController to control.

cameraInterface

 - The CameraInterface to read data from.

encoderTurret

 - The turret encoder to read data from.

Method Detail

**setDefaultPosition**

```
public void setDefaultPosition(double defaultPosition)
```

**Description copied from interface:** `RotationProvider`

Sets the "default" position, if no targets can be located.

**Specified by:**

`setDefaultPosition` in interface `RotationProvider`

## update

```
public boolean update()
```

**Description copied from interface:** `RotationProvider`

Updates the aiming of the turret.

**Specified by:**

`update` in interface `RotationProvider`

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