

com.\_604robotics.robot2012.autonomous

## Class PIDDriveEncoderDifference

java.lang.Object  
com.\_604robotics.robot2012.autonomous.PIDDriveEncoderDifference

### All Implemented Interfaces:

PIDSource

```
public class PIDDriveEncoderDifference
extends Object
implements PIDSource
```

This class implements a PIDSource, based on the difference of values between two encoders.

### Author:

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## Constructor Summary

### Constructors

Constructor and Description
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<pre>PIDDriveEncoderDifference(Encoder leftEncoder, Encoder rightEncoder)</pre> Initializes a new PIDDriveEncoderDifference, based on the given encoders.
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## Method Summary

### Methods

Modifier and Type	Method and Description
double	<pre>pidGet()</pre> Gets the difference between the two encoder values, as an output to a PID controller.

### Methods inherited from class java.lang.Object

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

## Constructor Detail

### PIDDriveEncoderDifference

```
public PIDDriveEncoderDifference(Encoder leftEncoder,
                                Encoder rightEncoder)
```

Initializes a new PIDDriveEncoderDifference, based on the given encoders.

#### Parameters:

- leftEncoder - The left encoder to monitor the value of.
- rightEncoder - The right encoder to monitor the value of.

## Method Detail

### pidGet

```
public double pidGet()
```

Gets the difference between the two encoder values, as an output to a PID controller.

#### Specified by:

Example 1:

`pidGet` in interface `PIDSource`

**Returns:**

The difference between the two encoder values.

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