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com.kauailabs.navx.ftc

## Enum navXPIDController.navXTimestampedDataSource

* java.lang.Object
  + java.lang.Enum<[navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html)>
    - com.kauailabs.navx.ftc.navXPIDController.navXTimestampedDataSource
* All Implemented Interfaces: java.io.Serializable, java.lang.Comparable<[navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html)> Enclosing class: [navXPIDController](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.html)  
    
  public static enum navXPIDController.navXTimestampedDataSource  
  extends java.lang.Enum<[navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html)>  
  The navXTimestampedDataSources specifies the navX-Model device sensor data source type used by the navXPIDController as it's input data source. These data sources are timestamped by the navX-Model device and thus are delivered with sufficient data (a highly-accurate "sensor timestamp") to allow the navXPIDController to compensate for any jitter in the transmission from the navX-Model device to the navXPIDController.

### Enum Constant SummaryEnum Constants

|  |
| --- |
| * + Enum Constant and Description |
| * + [ALTITUDE](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html#ALTITUDE) |
| * + [COMPASS\_HEADING](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html#COMPASS_HEADING) |
| * + [FUSED\_HEADING](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html#FUSED_HEADING) |
| * + [LINEAR\_ACCEL\_X](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html#LINEAR_ACCEL_X) |
| * + [LINEAR\_ACCEL\_Y](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html#LINEAR_ACCEL_Y) |
| * + [LINEAR\_ACCEL\_Z](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html#LINEAR_ACCEL_Z) |
| * + [PITCH](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html#PITCH) |
| * + [ROLL](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html#ROLL) |
| * + [YAW](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html#YAW) |

### Method SummaryAll Methods Static Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + static [navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html) | * + [valueOf](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html#valueOf-java.lang.String-)(java.lang.String name) Returns the enum constant of this type with the specified name. |
| * + static [navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html)[] | * + [values](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html#values--)() Returns an array containing the constants of this enum type, in the order they are declared. |

### Methods inherited from class java.lang.Enumclone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal, toString, valueOf

### Methods inherited from class java.lang.ObjectgetClass, notify, notifyAll, wait, wait, wait

### Enum Constant Detail

#### YAW public static final [navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html) YAW

#### PITCH public static final [navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html) PITCH

#### ROLL public static final [navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html) ROLL

#### COMPASS\_HEADING public static final [navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html) COMPASS\_HEADING

#### FUSED\_HEADING public static final [navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html) FUSED\_HEADING

#### ALTITUDE public static final [navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html) ALTITUDE

#### LINEAR\_ACCEL\_X public static final [navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html) LINEAR\_ACCEL\_X

#### LINEAR\_ACCEL\_Y public static final [navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html) LINEAR\_ACCEL\_Y

#### LINEAR\_ACCEL\_Z public static final [navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html) LINEAR\_ACCEL\_Z

### Method Detail

#### values public static [navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html)[] values() Returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows: for (navXPIDController.navXTimestampedDataSource c : navXPIDController.navXTimestampedDataSource.values())   System.out.println(c); Returns: an array containing the constants of this enum type, in the order they are declared

#### valueOf public static [navXPIDController.navXTimestampedDataSource](http://docs.google.com/com/kauailabs/navx/ftc/navXPIDController.navXTimestampedDataSource.html) valueOf(java.lang.String name) Returns the enum constant of this type with the specified name. The string must match *exactly* an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)Parameters: name - the name of the enum constant to be returned. Returns: the enum constant with the specified name Throws: java.lang.IllegalArgumentException - if this enum type has no constant with the specified name java.lang.NullPointerException - if the argument is null

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