Class RobotViewModel

Inheritance

↳ System.Object

    ↳ BaseViewModel (Recycle.ViewModels.BaseViewModel.html)

        ↳ RobotViewModel

Inherited Members

BaseViewModel.PropertyChanged
(Recycle.ViewModels.BaseViewModel.html#Recycle_ViewModels_BaseViewModel_PropertyChanged)
BaseViewModel.RaisePropertyChanged(String)
(Recycle.ViewModels.BaseViewModel.html#Recycle_ViewModels_BaseViewModel_RaisePropertyChanged_System
String)

Namespace: Recycle.ViewModels (Recycle.ViewModels.html)

Assembly: Recycle.dll

Syntax

```
public class RobotViewModel : BaseViewModel
```

Constructors

RobotViewModel()

Declaration

```
public RobotViewModel()
```

Fields

PARA_ARM_AXIS_1

Declaration

```
public const string PARA_ARM_AXIS_1 = null
```

Field Value

Type	Description
System.String	

PARA_ARM_AXIS_2

Declaration

```
public const string PARA_ARM_AXIS_2 = null
```

Field Value

Type	Description
System.String	

PARA_ARM_AXIS_3

Declaration

```
public const string PARA_ARM_AXIS_3 = null
```

Field Value

Type	Description
System.String	

PARA_ARM_X

Declaration

```
public const string PARA_ARM_X = null
```

Field Value

Type	Description
System.String	

PARA_ARM_Y

Declaration

```
public const string PARA_ARM_Y = null
```

Field Value

Type	Description
System.String	

PARA_ARM_Z

Declaration

```
public const string PARA_ARM_Z = null
```

Field Value

Type	Description
System.String	

PARA_CONTROLLER

Declaration

```
public const string PARA_CONTROLLER = null
```

Field Value

Type	Description
System.String	

PARA_CONVEYOR_AXIS_1

Declaration

```
public const string PARA_CONVEYOR_AXIS_1 = null
```

Field Value

Type	Description
System.String	

PARA_CURRENT_SPEED

Declaration

```
public const string PARA_CURRENT_SPEED = null
```

Field Value

Type	Description
System.String	

PARA_ENCODER_J1

Declaration

```
public const string PARA_ENCODER_J1 = null
```

Field Value

Type	Description

Type	Description
System.String	

PARA_ENCODER_J2

Declaration

```
public const string PARA_ENCODER_J2 = null
```

Field Value

Type	Description
System.String	

PARA_ENCODER_J3

Declaration

```
public const string PARA_ENCODER_J3 = null
```

Field Value

Type	Description
System.String	

PARA_ENCODER_X

Declaration

```
public const string PARA_ENCODER_X = null
```

Field Value

Type	Description
System.String	

PARA_ENCODER_Y

Declaration

```
public const string PARA_ENCODER_Y = null
```

Field Value

Type	Description
System.String	

PARA_ENCODER_Z

Declaration

```
public const string PARA_ENCODER_Z = null
```

Field Value

Type	Description
System.String	

PARA_MAX_SPEED

Declaration

```
public const string PARA_MAX_SPEED = null
```

Field Value

Type	Description
System.String	

PARA_REDUCER_STATUS

Declaration

```
public const string PARA_REDUCER_STATUS = null
```

Field Value

Type	Description
System.String	

PARA_VISION_RECENTLY

Declaration

```
public const string PARA_VISION_RECENTLY = null
```

Field Value

Type	Description
System.String	

PARA_VISION_STATUS

Declaration

```
public const string PARA_VISION_STATUS = null
```

Field Value

Type	Description
System.String	

PARA_VISION_TOTAL_TIME

Declaration

```
public const string PARA_VISION_TOTAL_TIME = null
```

Field Value

Type	Description
System.String	

Parameters

Declaration

```
public readonly Dictionary<string, RobotParameter> Parameters
```

Field Value

Type	Description
Dictionary<System.String, RobotParameter (Recycle.ViewModels.RobotParameter.html)>	

pickTime1

Declaration

```
public long pickTime1
```

Field Value

Type	Description
System.Int64	

Properties

AcLineAcc

Declaration

```
public double AcLineAcc { get; set; }
```

Property Value

Type	Description
System.Double	

AcLineDsc

Declaration

```
public double AcLineDsc { get; set; }
```

Property Value

Type	Description
System.Double	

AcLineRate

Declaration

```
public double AcLineRate { get; set; }
```

Property Value

Type	Description
System.Double	

AcMaxSpeed

Declaration

```
public double AcMaxSpeed { get; set; }
```

Property Value

Type	Description
System.Double	

AcP2pAcc

Declaration

```
public double AcP2pAcc { get; set; }
```

Property Value

Type	Description
System.Double	

AcP2pDsc

Declaration

```
public double AcP2pDsc { get; set; }
```

Property Value

Type	Description
System.Double	

AcSpeedRate

Declaration

```
public double AcSpeedRate { get; set; }
```

Property Value

Type	Description
System.Double	

ArmParameters

Declaration

```
public RobotParameter[] ArmParameters { get; }
```

Property Value

Type	Description
RobotParameter (Recycle.ViewModels.RobotParameter.html)[]	

ArmStatus

Declaration

```
public ComponentStatus ArmStatus { get; }
```

Property Value

Type	Description

Type	Description
ComponentStatus (Recycle.ViewModels.ComponentStatus.html)	

ConveyorParameters

Declaration

```
public RobotParameter[] ConveyorParameters { get; }
```

Property Value

Type	Description
RobotParameter (Recycle.ViewModels.RobotParameter.html)[]	

ConveyorStatus

Declaration

```
public ComponentStatus ConveyorStatus { get; }
```

Property Value

Type	Description
ComponentStatus (Recycle.ViewModels.ComponentStatus.html)	

DHe1

Declaration

```
public double DHe1 { get; set; }
```

Property Value

Type	Description
System.Double	

DHe2

Declaration

```
public double DHe2 { get; set; }
```

Property Value

Type	Description
System.Double	

DHr

Declaration

```
public double DHr { get; set; }
```

Property Value

Type	Description
System.Double	

DHre

Declaration

```
public double DHre { get; set; }
```

Property Value

Type	Description
System.Double	

Duration

Declaration

```
public TimeSpan Duration { get; }
```

Property Value

Type	Description
TimeSpan	

EncodeFeedback

Declaration

```
public string EncodeFeedback { get; }
```

Property Value

Type	Description
System.String	

ID

Declaration

```
public string ID { get; set; }
```

Property Value

Type	Description
System.String	

ImageFilename

Declaration

```
public string ImageFilename { get; set; }
```

Property Value

Type	Description
System.String	

ImageHeight

Declaration

```
public double ImageHeight { get; set; }
```

Property Value

Type	Description
System.Double	

ImageWidth

Declaration

```
public double ImageWidth { get; set; }
```

Property Value

Type	Description
System.Double	

Name

Declaration

```
public string Name { get; set; }
```

Property Value

Type	Description
System.String	

Picks

Declaration

```
public List<HistogramItemViewModel> Picks { get; }
```

Property Value

Type	Description
List<HistogramItemViewModel (Recycle.ViewModels.HistogramItemViewModel.html)>	

PointC

Declaration

```
public Point PointC { get; set; }
```

Property Value

Type	Description
Point	

PointM

Declaration

```
public Point PointM { get; set; }
```

Property Value

Type	Description
Point	

PointS

Declaration

```
public Point PointS { get; set; }
```

Property Value

Type	Description

Type	Description
Point	

PointV

Declaration

```
public Point PointV { get; set; }
```

Property Value

Type	Description
Point	

SinkA

Declaration

```
public SinkViewModel SinkA { get; }
```

Property Value

Type	Description
SinkViewModel (Recycle.ViewModels.SinkViewModel.html)	

SinkB

Declaration

```
public SinkViewModel SinkB { get; }
```

Property Value

Type	Description
SinkViewModel (Recycle.ViewModels.SinkViewModel.html)	

SinkC

Declaration

```
public SinkViewModel SinkC { get; }
```

Property Value

Type	Description
SinkViewModel (Recycle.ViewModels.SinkViewModel.html)	

SinkD

Declaration

```
public SinkViewModel SinkD { get; }
```

Property Value

Type	Description
SinkViewModel (Recycle.ViewModels.SinkViewModel.html)	

StartTime

Declaration

```
public DateTime StartTime { get; }
```

Property Value

Type	Description
DateTime	

Status

Declaration

```
public ComponentStatus Status { get; }
```

Property Value

Type	Description
ComponentStatus (Recycle.ViewModels.ComponentStatus.html)	

TimePicks

Declaration

```
public TimelineChartViewModel TimePicks { get; }
```

Property Value

Type	Description
TimelineChartViewModel (Recycle.ViewModels.TimelineChartViewModel.html)	

VisionSysParameters

Declaration

```
public RobotParameter[] VisionSysParameters { get; }
```

Property Value

Type	Description
RobotParameter (Recycle.ViewModels.RobotParameter.html)[]	

VisionSysStatus

Declaration

```
public ComponentStatus VisionSysStatus { get; }
```

Property Value

Type	Description
ComponentStatus (Recycle.ViewModels.ComponentStatus.html)	

Methods

SetArmStatus(ComponentStatus)

Declaration

```
public void SetArmStatus(ComponentStatus status)
```

Parameters

Type	Name	Description
ComponentStatus (Recycle.ViewModels.ComponentStatus.html)	status	

SetConveyorStatus(ComponentStatus)

Declaration

```
public void SetConveyorStatus(ComponentStatus status)
```

Parameters

Type	Name	Description
ComponentStatus (Recycle.ViewModels.ComponentStatus.html)	status	

SetDuration(TimeSpan)

Declaration

```
public void SetDuration(TimeSpan duration)
```

Parameters

Type	Name	Description
TimeSpan	*duration*	

SetEncodeFeedback(Double, Double)

Declaration

```
public void SetEncodeFeedback(double p1, double p2)
```

Parameters

Type	Name	Description
System.Double	*p1*	
System.Double	*p2*	

SetStartTime(DateTime)

Declaration

```
public void SetStartTime(DateTime dateTime)
```

Parameters

Type	Name	Description
DateTime	*dateTime*	

SetVisionSysStatus(ComponentStatus)

Declaration

```
public void SetVisionSysStatus(ComponentStatus status)
```

Parameters

Type	Name	Description
ComponentStatus (Recycle.ViewModels.ComponentStatus.html)	*status*	

ToString()

Declaration

```
public override string ToString()
```

Returns

Type	Description
System.String	

Extension Methods

RobotApi.Parameter(RobotViewModel, String)
(Recycle.ViewModels.RobotApi.html#Recycle_ViewModels_RobotApi_Parameter_Recycle_ViewModels_RobotView
Model_System_String_)