My Project

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Chapter 1

Class Index

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Here are the classes, structs, unions and interfaces with brief descriptions:									
RobotAPI_class.RobotAPI	??								

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Chapter 2

Class Documentation

2.1 RobotAPI_class.RobotAPI Class Reference

Public Member Functions

- def __init__ (self, str port, int baud_rate, str robot_type)
- def __del__ (self)
- def pingTest (self, int motorID)
- def setTorqueON (self, int motorID)
- def setTorqueOFF (self, int motorID)
- def getTorqueStatus (self, int motorID)
- def getJointAngle (self, int motorID, str unit="rad")
- def setJointAngle (self, int motorID, float angle, str unit="rad")
- def penDown (self)
- def penUp (self)
- def getJointState (self, int motorID)
- def setJointState (self, int motorID, list state)
- def getRobotState (self)
- def setRobotState (self, list state)
- def goHome (self)
- def setGetRobotState (self, list state)

Public Attributes

- link
- rob

Static Public Attributes

- int **ADDR_PC** = 100
- int **ADDR_MEGA** = 200
- int **FC_PING** = 1
- int FC TORQUE ON = 2
- int FC_TORQUE_OFF = 3
- int FC_TORQUE_STATUS = 4
- int FC_READ_ANGLE = 5

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```
• int FC_WRITE_ANGLE = 6
```

- int **FC_PEN_SERVO** = 7
- int FC READ STATE = 8
- int **FC_WRITE_STATE** = 9
- int FC_READ_ROBOT_STATE = 10
- int FC_WRITE_ROBOT_STATE = 11
- int FC_RW_ROBOT_STATE = 12
- float **RS485_TO** = 0.2

2.1.1 Member Function Documentation

2.1.1.1 getJointAngle()

2.1.1.2 getJointState()

2.1.1.3 getRobotState()

2.1.1.4 getTorqueStatus()

2.1.1.5 goHome()

```
def RobotAPI_class.RobotAPI.goHome ( self \ ) Description: This function moves the robot to the home position. Input: -NA-Output: success/failure
```

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2.1.1.6 penDown()

2.1.1.7 penUp()

2.1.1.8 pingTest()

2.1.1.9 setGetRobotState()

2.1.1.10 setJointAngle()

2.1.1.11 setJointState()

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2.1.1.12 setRobotState()

2.1.1.13 setTorqueOFF()

2.1.1.14 setTorqueON()

The documentation for this class was generated from the following file:

· RobotAPI_class.py