

Overview of the Brain for the robot

September 29, 2015

Contents

1 Robot Brain	1
2 Learning Algorithms	1
2.1 RLPowerAlgorithm	1
3 Controllers	1
4 Servos	1

1 Robot Brain

The robot brain is the main class managing all the components of the robot. The main cycle of the robot is inside this class.

2 Learning Algorithms

There is a general interface that is for every learning algorithm. It consists of

- `next_evaluation()`

2.1 RLPowerAlgorithm

The *RLPowerAlgorithm* is an implmenetation of the Learning Algorithm. It stands for *Reinfoiced Learning Power Algorithm*.

Here is an example on how it works:

3 Controllers

This is interpreting the output of the learning algorithm and sending the signals to the servos.

4 Servos

This is taking the control input for the servo and sending it to the hardware.