Table 2: Available options in the simulation section of the settings button.

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| Sampling time (ms) | Constant sampling time defined by the user. |
| Sampling time type | During the experiments, the sampling time can vary due to the computational load and can be different to the value defined by the user. This variable sampling time is called actual. The control and the identification algorithms can use the following sampling time types: 1.- Actual sampling time; 2.- a simple moving average of the actual sampling time; 3.- The cumulative moving average of the actual sampling time. |
| Tolerance time (ms) | The tolerance time parameter specifies the maximum error that can be tolerated between the sampling time defined by the user and the actual sampling time. |
| Number of points for the moving average calculation | Define the number of data points of the actual sampling time employed for computing its moving average. |
| Run simulation for (ms) | The experiment stops at the selected value. A negative number represents an experiment with infinite duration. |