

# README – main.m

Group 14

There is no special indication to use the main file, just run it.

Use the simulation.m file to tune simulation parameters, namely:

- The start parameters  $q0$  and  $dq0$
- The number of steps of a simulation,  $num\_steps$
- The perturbation value,  $perturbation\_value$
- The number of steps before our controller switches to the sinusoidal controller,  $nb\_step\_begins$

The  $perturbation\_value$  is not set in the `ext_perturbation_parameters` anymore, while the `step_number` is still configured there.

**You need to run the simulation before using the analyse function because you need some global variable to be set.**