**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.**