**LAB 01/03/2023**

NOTES ABOUT SETUP

* Motors have very different behavior. It seems that M1 and M3 have an offset of 390 RPM and their PWM-RPM curve is much steeper. M2 and M4 have a nominal behavior instead.
* When using the Simulink, you must start with the PWM bit set to 0, otherwise it doesn’t work.

PARAMETER ESTIMATION

The main activity of today was to think about a possible setup in which to conduct an experiment about thrust. The idea is to fix one axis of the drone with two springs and work on the other axis, mounting some weights on the two legs and finding the equilibrium. The goal is to model the system as a beam hinged in its center and compute the relationship between RPM of one motor and its thrust. And possibly the angle.