

# **Chapter 3**

## **Workshop 1: Equation of Motion implementation**

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# EOM Implementation

0) Do 5 min. of box-breathing: <https://youtu.be/GZzhk9jEkkI>

1) Write the EOM in the form:  $\dot{\mathbf{x}} = \mathbf{f}(t, \mathbf{x}, \mathbf{u})$

For orientation: pick 1) rotation, or, 2) quaternion

2) Which parameters/coefficients do need to be specified?

3) Which initial conditions do need to be specified?

4) Write a RigidBody class that computes the EOM, see under > Files for template Python code

